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COSTA RICAN

AGARICACEAE

by

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1929-1936

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RARE BOOK

COSTA RICAN AGARICACEAE

Carroll W. Dodge

The first collection of Costa Rican Agaricaceae of which records have survived, was that of Anders S. Oersted who visited Costa Rica, Nicaragua and the Virgin Islands in 1846-1848.*

Oersted, Anders S. 1851. En reise i Guanacaste. Tidskr. f. populaer Naturvidenskab 1:21-35. 1 map. 1851.

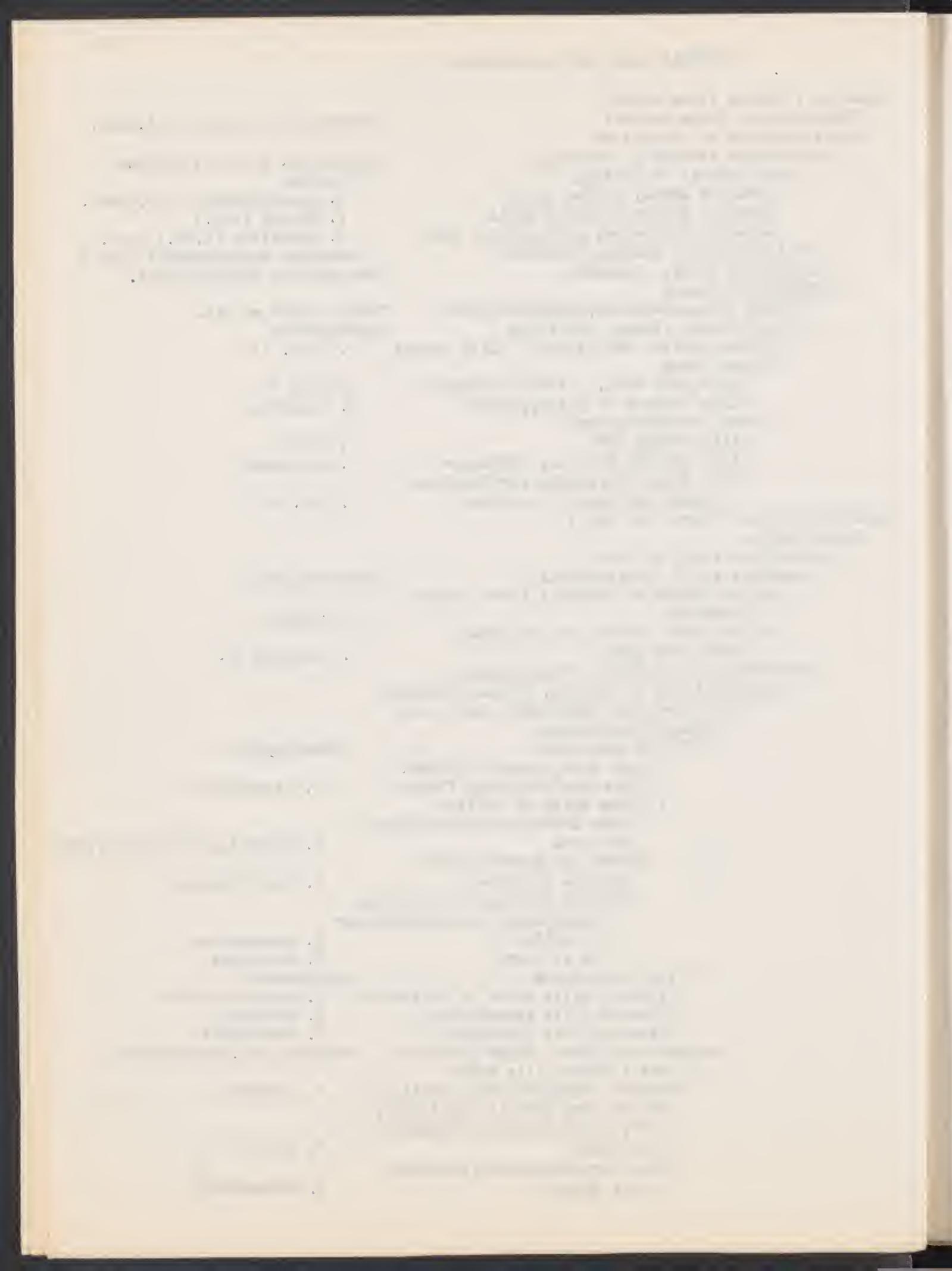
----- 1851. Naturens Physiognomie i Central America. Ibid. 1:255-283.

Upon his return to Denmark, he apparently turned over his collections and a duplicate set of water-color paintings to Elias Fries for naming, since the form the greater part of the Agaricaceae treated in his "Novae Symbolae Mycologicae published in 1851. No specimens have survived at Uppsala, although Fries mentions alcoholic material in alcohol. The collection of drawings, mostly on sheets x cm, usually with Agaricus and a number written across the top in what may be Oersted's handwriting. The number corresponds to that cited by Fries. Below the drawing, the name given by Fries appears, usually in a handwriting apparently that of Fries in his later years. At the bottom of the sheets are the data: Costa Rica. A.S.Oersted in the handwriting of T. M. Fries. This latter was probably added when the collection was distributed in the general Friesian collection of drawings which were arranged by genera in portfolios in the early 1880's. Since many of the species cited are not from Costa Rica, the data given in the Novae Symbolae should be considered correct and not the locality given on the sheet. All of the species but one in which Fries mentions a drawing are present, along with some drawings of some fungi which are not determinable in the absence of specimens.



TROPICAL AMER ICAN AGARICACEAE

Hymenium plicate, folds obtuse		
Spores green, stipe central		
Spores hyaline or ochraceous		
Hymenophore leather y, reviving		
Stipe lateral or wanting		
Lamellae white, spores ovoid		
Lamellae fuscous, spores ovoid		
Lamellae brick-red, spores spher ical		
Stipe central, lamellae brownish		
Hymenophore woody, applanate		
Hymenophore fleshy		
Pileus thin,membranous,infundibuliform		
Pileus thick, fleshy, terricole		
Pileus convex, orange buff, gills orange		
Pileus plane		
Gills warm buff, pileus avellaneous	C. Sept. 11	
Gills luteous or paler, pileus	C. July 7	
Pileus infundibuliform		
Gills orange buff	C. cibarius	
Gills grayish fuscous, turbinate	C. 5132	
Gills clay color, stipe cartilaginous	C. mexicanus	
tough, per haps is Lentinus	C. Aug. 27	
Hymenium with well developed gills		
Spores white		
Hymenophore tough to woody		
Lamellae split longitudinally		
Margin entire or somewhat lobes, deeply	Schizophyllum	
tomentose	S. commune	
Margin split halfway to attachment,		
lobes soon nude	S. radiatum Fr.	
Lamellae not splitting longitudinally		
Stipe lateral or wanting, pileus irregular		
Pileus sessile, resupinate when young		
Context homogeneous	Pleurotopsis	
Pileus membranous		
Pileus pale brownish, 5-10mm.,	P. asperifolia	
decorated with long fibers		
Pileus white or whitish	P. liliputiana 7301, 7304, 7260	
Pileus 2-6mm, surface pruinose		
floccose		
Pileus not more than 2mm	P. niduliformis	
Surface floccose		
Surface pruinose to glabrous		
Hymenophores on arachnoid my-		
celium	P. arachnoidea	
Not as above	P. calospora	
Pileus coriaceous	Scytinotus	
Pileus & gills white or yellowish	S. distantifolius	
Pileus & gills isabelline	S. concolor	
Pileus & gills blood-red	S. haematodes	
Context with upper layer gelified	Pleurotus sec. Resupinatus	
Pileus 1.5-5cm, gills white		
Surface white, floccose fibrillose	P. cubensis	
Surface warm buff to light buff,		
very gelified, gills very narrow		
and close	P. July 14	
Pileus grayish, smoky, pruinose,		
gills distant	P. subbarbatus ^{lu} _A	

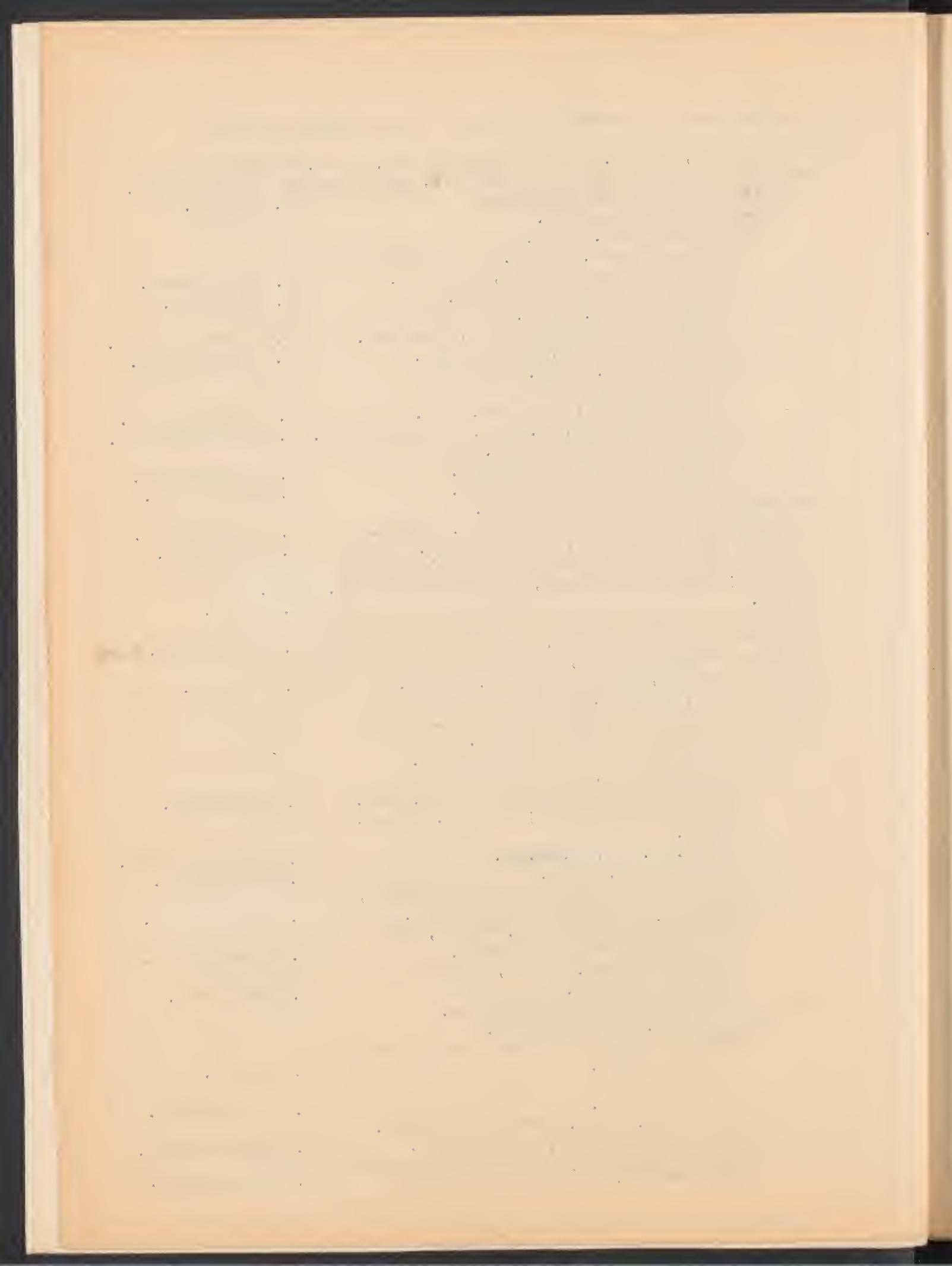


Pileus 4-8 mm		
Gills white, pileus black, campanulate	P. orizabensis	
Gills and pileus blackish brown, flabelliform	P. subbarbatus	
Pileus stipitate or dimidiate, not resupinate when young		
Pileus membranous, stipe tubular	Marasmiellus	
Pileus 2-3mm	M. inconspicuus, 7298	
Pileus 10mm or more in diameter		
Pileus light brown, glabrous	M. juniperinus	
Pileus purple, tomentose	M. purpureus	
Pileus pale to light ochraceous salmon, velvety M. 4658		
Pileus fleshy tough to coriaceous, stipe solid when present	Panellus	
Gills rather distant and broad	P. eugrammus	
Gills very crowded and narrow		
Pileus avellaneous	P. jalapensis	
Pileus white or yellowish		
Gills dichotomous, edges obtuse	P. cantharellloides	
Gills not dichotomous, edges thin		
Stipe tomentose, distinct	P. subcantharellloides	
Stipe glabrous, usually only a tubercle	P. flabellatus	
Stipe central to slightly excentric, pileus regular		
Stipe tubular, slender with cartilaginous cortex		
Pileus somewhat gelified, stipe horny	Heliomyces	
Gills few, distant		
Terrestrial; gills decurrent	H. terrestris	
Growing on wood		
Pileus white or pale, not darkening on drying		
Pileus less than 1cm; gills decurrent	H. translucens	
Pileus 1-2cm.; gills adnate	H. striatus	
Pileus some shade of avellaneous or pale bay or becoming so on drying		
Pileus 2cm. or less	H. subavellaneous	
Pileus 3-6 cm.		
Pileus deeply umbilicate to infundibuliform	H. subspodoides 7296	
Pileus plane or slightly depressed	H. hondurensis	
Pileus pale or tinged yellow when dry	H. crenulatus	
Pileus latericious when dry	H. Peckii	
Gills numerous, crowded, growing on wood	H. rubritinctus	
Hymenophore solitary		
Hymenophores cespitose	H. angustifolius	
Pileus umbilicate, gills interveined	H. multifolius	
Pileus umbonata, gills interveined	H. multifolius	
Pileus umbonate, gills not interveined	H. foetens	
Pileus membranous to somewhat fleshy		
Pileus glabrous or nearly so		
Stipe compound or branched	Polymarasmius	
Pileus 6mm	P. multiceps	
Pileus 2mm in diameter		
Surface white, bay on umbo	P. submulticeps	
Surface bay throughout	P. sarmentosus	
Stipe simple, unbranched	Marasmius	

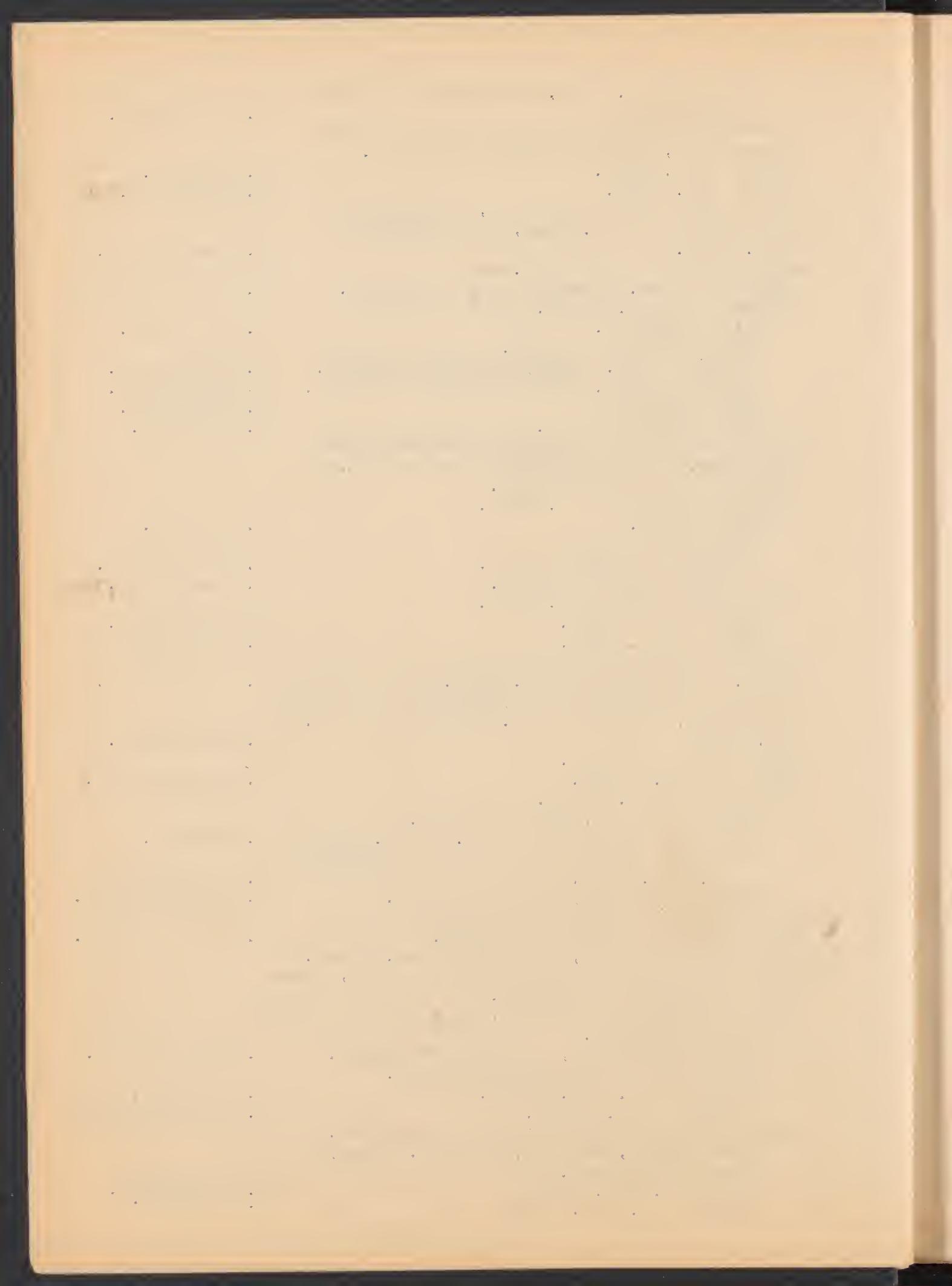
the first time. I have had a very hard time getting it off the ground. I have had to go through a lot of difficulties and setbacks. But I am determined to succeed. I have a lot of work ahead of me, but I am willing to put in the effort. I am also looking forward to the challenges that lie ahead. I am excited about the opportunities that this new venture presents. I am grateful for the support and encouragement of my family and friends. I am also grateful for the guidance and advice of my mentor. I am confident that with hard work and determination, I will be able to achieve my goals. I am looking forward to the future with a sense of optimism and enthusiasm.

Pileus membranous to somewhat fleshy, stipe simple-Marasmius

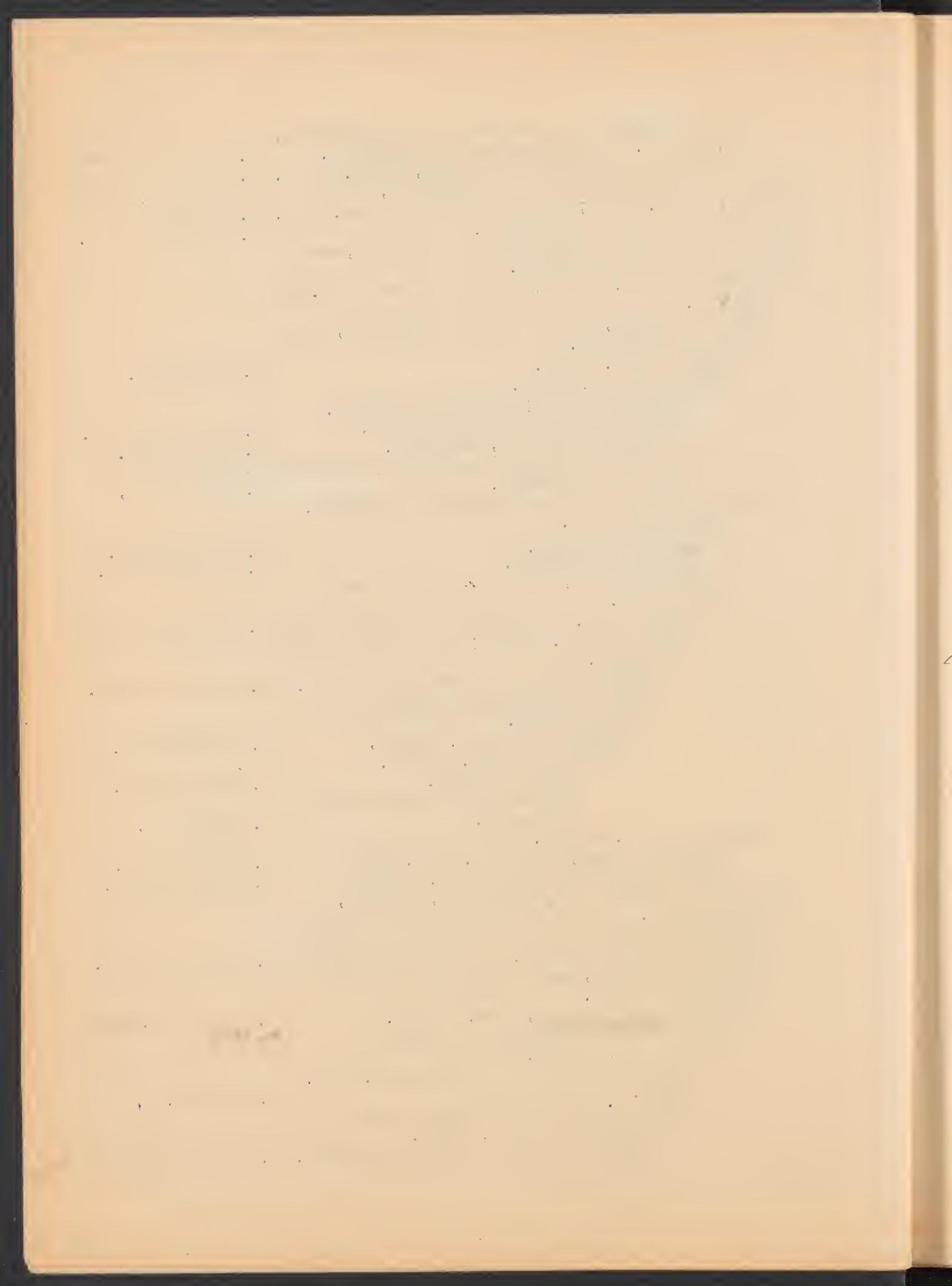
Pileus minute, 1-3 mm. broad (reaching 4 mm. in M. Hiorami)	
Surface of pileus white or whitish, rarely darker on the disk.	
Disk blackish and papillate	M. Peckii.
Disk white or pallid.	
Stipe 4-10 mm. long.	
Pileus 1-2 mm. broad.	
Surface subpellucid, pruinose.	M. petiolorum.
Surface opaque, glabrous.	M. Marbleae.
Pileus 2-3 mm. broad.	
Surface subtranslucent, glabrous.	M. subtenerimus.
Surface opaque, pulverulent.	M. bermudensis.
Stipe 10-20 mm. long.	
Pileus umbilicate	
Stipe pallid, 1-1.5 cm. long.	M. theobromicola.
Stipe fulvous, 2.5 cm. or more long.	M. chrysochaetes.
Pileus not umbilicate.	
Stipe pallid throughout.	M. proletarius.
Stipe pale-yellow below.	M. inaequilis.
Surface of pileus pale-yellow.	
Lamellae adnate; pileus 3 mm. broad.	M. subglobosus.
Lamellae decurrent; pileus 1 mm. broad	M. flavellus.
Surface of pileus brownish-cinnamon; pileus convex; lamellae distant, pallid; stipe 2 mm. long.	M. nanus.
Surface of pileus umbrinous; pileus hemispheric; lamellae few, pallid.	M. guyanensis. 7244
Surface of pileus bay, blackish and papillate at the center; pileus 2-4 mm. broad.	M. Hiorami.
Pileus small, 3-10 mm. broad	
Surface of pileus white or pallid, rarely slightly darker at the center.	
Stipe white or pallid throughout.	
Stipe glabrous.	
Lamellae free; stipe 10-12 mm. long.	M. stylobates.
Lamellae decurrent; stipe 1.5-4 cm. long.	
Stipe 1.5-2 cm. long.	M. praedecurrens.
Stipe 4 cm. long.	M. niveicolor.
Stipe minutely pruinose or floccose, sometimes becoming subglabrous.	M. setulosipes.
Pileus scarcely 5 mm. broad, not striate; lamellae crowded.	M. setulosipes.
Pileus 6-10 mm. broad, striate; lamellae distant.	M. synodicus.
Stipe brownish or blackish below.	
Stipe 1 cm. or less long.	
Lamellae adnate; pileus usually darker on the disk.	M. Earlei.
Lamellae decurrent; pileus not darker on the disk.	M. pruinulosus.
Stipe 2-3 cm. long.; lamellae adnate.	M. praetortipes.
Pileus umbilicate, unicolorous.	
Pileus umbonate, slightly darker at the center.	M. hondurensis.



Stipe 5-8 cm. long; lamellae free; plant terrestrial	<i>M. glebigenus.</i>
Surface of pileus pale-avellaneous or pale isabelline, fading to white on drying.	
Stipe 1 cm. long.	<i>M. raminis.</i>
Stipe 4 cm. long.	<i>M. subrotula.</i> 7310
Surface of pileus ochraceous, darker on the disk; pileus 2-4 mm. broad, stipe blackish, 1 cm. long.	<i>M. Crescentiae.</i>
Surface of pileus fulvous (<i>Tawny</i>)	
Pileus 3-4 mm. broad; densely cespitose.	<i>M. aciculaeformis</i>
Pileus 6-10 mm. broad.	
Stipe pellucid.	<i>M. hinnuleus.</i>
Stipe fulvous to brown.	
Pileus 6 mm. broad; lamellae crowded.	<i>M. personatus.</i>
Pileus 10 mm. broad; lamellae distant.	<i>M. sulcatipes.</i>
Stipe blackish	<i>M. rugulosus.</i>
Stipe reddish-brown.	<i>M. musicola.</i>
Surface of pileus avellaneous to umbrinous or brown, often tinged with rose or bay, not fading to white on drying.	
Stipe less than 2 cm. long.	<i>M. picipes.</i>
Stipe black.	
Stipe not black.	
Lamellae cream-colored.	<i>M. Underwoodii.</i>
Lamellae pale-fuscous.	<i>M. tenebrarum.</i> 7245
Stipe more than 2 cm. long.	<i>M. colimensis.</i>
Stipe 2-3 cm. long.	<i>M. soliformis</i>
Stipe 4-6 cm. long.	
Surface of pileus blackish-blue-green; pileus 8 mm. broad; stipe 12 mm. long.	<i>M. atroviridis.</i>
Surface of pileus pale-red, fading to isabelline on drying; pileus 5-8 mm. broad; stipe 2-2.5 cm. long	<i>M. pallescens.</i>
Surface of pileus bay.	<i>M. jamaicensis</i>
Pileus 5 mm. broad.	
Pileus 5-10 mm. broad.	
Lamellae pallid; stipe glabrous.	<i>M. Wilsonii.</i>
Lamellae adnexed; stipe 0.5-1 mm. thick	
Lamellae adnate to a slight collar; stipe 0.5 mm. thick.	<i>M. paucifolia.</i>
Lamellae fulvous; stipe pubescent.	<i>M. portoricensis.</i>
Surface of pileus dark-purple; lamellae few, dark purple on edges when young.	<i>M. atropurpurens.</i>
Pileus medium to large, more than 1 cm. broad.	
Surface of pileus mostly white or pallid, sometimes darker at the center.	
Pileus becoming eccentric; stipe usually rather short and curved.	
Stipe white above, reddish-brown below.	<i>M. stenophyllus.</i>
Stipe rosy-isabelline throughout.	
Pileus 1-1.5 cm. broad.	<i>M. troyanus.</i>
Pileus 2 cm. broad.	<i>M. subplexifolius</i>
Pileus never eccentric; stipe long, erect.	
Pileus plane, umbonate, 12-18 mm. broad; lamellae distant.	
Stipe 0.5 mm. thick	<i>M. albofuscus.</i>
Stipe 1-1.5 mm. thick	<i>M. cubensis.</i>

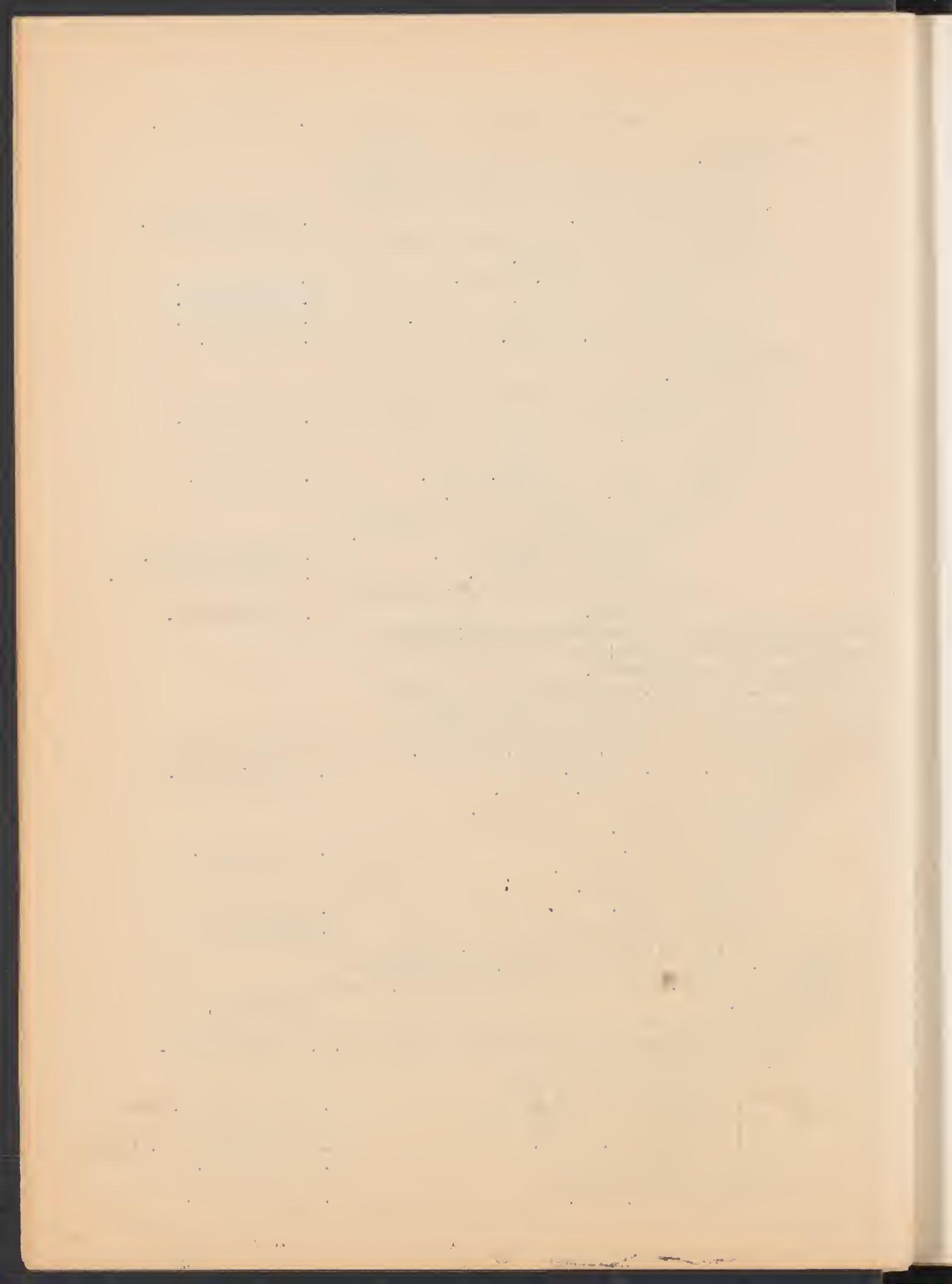


- Pileus planar to subexpanded, not umbonate,
0.5-2 cm. broad; lamellae subcrowded. *M. hinnuleiformis*
- Pileus conspicuously depressed, 4-6 cm. broad. *M. clitocybiformis*
- Surface of pileus white to plumbeous, umbilicate, 12 mm. broad; stipe twisted, 6-8 cm. long. *M. tortipes*
- Surface of pileus pale-green. *M. viridifuscus.*
- Surface of pileus isabelline or fulvous, sometimes with grayish tints.
- Pileus 1-3 cm. broad, rarely larger in *M. montanus.*
- Pileus convex, rarely fully expanding, umbonate or gibbous.
- Stipe 3 cm. long. *M. Harrisii.*
- Stipe 4-8 cm. long.
- Pileus gibbous; lamellae crowded.
- Stipe grayish-pulverulent. *M. cinerealbus.*
- Stipe glabrous, polished. *M. jalapensis.*
- Pileus prominently umbonate; lamellae not crowded. *M. obsoletus.*
- Pileus plane or depressed, never umbonate.
- Stipe glabrous.
- Lamellae white. *M. putredinis.*
- Lamellae fulvous. *M. coracicolor.*
- Stipe pruinose, becoming subglabrous at times.
- Stipe 5 mm. thick; species terrestrial. *M. pruinosaefolius*
- Stipe 1-2 mm. thick; species not terrestrial.
- Stipe densely velvety-pruinose. *M. cervinicolor.*
- Stipe whitish-pulverulent to subglabrous.
- Pileus 7-15 mm. broad. *M. bahamensis.*
- Pileus 2-4 cm. broad.
- Pileus plane. *M. hemileucus.*
- Pileus umbilicate or depressed. *M. montanus.*
- Pileus 4-7 cm. broad.
- Lamellae free; stipe 2.5 cm. long *M. fibrosipes.*
- Lamellae adnate; stipe 5 cm. long. *M. subpruinosa.*
- Surface of pileus bay, chestnut, reddish, or ferruginous.
- Lamellae crowded and connected by conspicuous reticulate veins. *M. polyporoides.*
- Lamellae distant, not conspicuously connected by veins.
- Pileus ferruginous, 4 cm. broad. *M. Bertero.* 7302
- Pileus ~~dark reddish~~ bay or chestnut, not more than 2 cm. broad. *M. 5028*
- Stipe pruinous to glabrous, 2.5 cm. long. *M. badius.*
- Stipe glabrous and shining from the first, 3-6 cm. long.
- Lamellae about 12-16 in number. *M. haematocephalus.* 7290



Lamellae about 8 in number	<i>M. tageticolor.</i>
Surface of pileus some shade of purple or violet.	
Surface pale-purple, fading to whitish on drying; lamellae decurrent; pileus infundibuliform.	<i>M. puppurascens.</i>
Surface purple or violet, not fading to whitish on drying.	
Pileus about 2 cm. broad.	<i>M. sericipes.</i>
Lamellae pallid.	<i>M. sericipes.</i>
Lamellae blackish-purple.	<i>M. glaucopus.</i>
Pileus 2-6 cm. broad.	<i>M. ionides.</i>
Surface of pileus brown or somewhat blackish.	
Surface pale-fuscous; lamellae adnexed; pileus convex	<i>M. coracipes.</i>
Surface brown, rarely tinged with violet.	
Stipe less than 1 cm. long.	<i>M. curtipes.</i>
Stipe 2 cm. or more long.	
Pileus becoming distinctly depressed; lamellae not crowded.	
Lamellae decurrent.	<i>M. cyathiformis.</i>
Lamellae adnate.	<i>M. subcyathiformis.</i>
Pileus convex to plane; lamellae crowded.	<i>M. Johnstonii.</i>
Pileus membranous to somewhat fleshy; Pileus glabrous or nearly so; lamellae adnate to a collar; stipe compound.	
Pileus thin, reviving, conspicuously decorated with threadlike hairs, scales, or spines; lamellae adnate or adnexed; spores hyaline; veil none; stipe central, slender, tubular.	<i>Crinipellis 287</i>
Pileus 1-2.5 cm. broad.	<i>C. sublivida M.</i>
Pileus less than 1 cm. broad.	
Pileus papillate or umbonate.	
Pileus fulvous.	
Stipe 1-2 cm.	<i>C. stuparia.</i>
Pileus not as above.	
Surface villose.	
Stipe 4 cm.	<i>C. squamifolia</i>
Surface echinulate	<i>C. echinulata</i>
Stipe solid; thick; uniform texture. Veil absent. Hymenophore solitary or gregarious.	
Pileus regular. Pileus thin umbilicate. Lamellae decurrent.	<i>Lentinus,</i>
Pileus glabrous	
Pileus white or whitish; less than 1 cm. <i>L. orizabensis.</i>	
Pileus isabelline	
Hymenophore solitary	
Spores 7.3-14 μ	<i>L. graminicola. 7312</i>
Hymenophore gregarious	
Spores 3.5 # 2.5	<i>L. subscyphoides. 7236</i>
Pileus fuliginous	<i>L. fulgineus.</i>
Pileus reddish-brown	
Pileus 1-1.5 cm.	<i>L. scyphoides.</i>

key faulty



Pileus 6-8cm diameter	Lentinus tubarius
Pileus scaly, imbricate	
Pileus 3-5 cm, white or yellowish with concentric pyramidal fascicles	L. pyramidatus
Pileus 5-8cm, white with brown maculiform scales	L. albellus
Pileus velvety, strigose or hispid	
Pileus 2-7cm	
Stipe glabrous or nearly so	L. crinitus
Stipe velvety or tomentose	
Pileus isabelline, stipe usually excentric	L. strigosus
Pileus dark fulvous	L. strigosellus
Pileus pale cinnamon to chestnut brown, stipe slender, concolorous	L. velutinus
Pileus 8-15cm; stipe 1-2.5cm.	
Pileus white, spores narrow ellipsoid, 6-8x3-3.5u	L. hirtus
Pileus isabelline, spores oblong ellipsoid or fusiform, 4-5x1.5-2u	L. hirtiformis

See also:

L. chaetoloma and Panus Troglodytes, P. reflexa related to L. crinitus
 L. flaccidus, L. fuligineus, L. furfurosum, L. glabratus, L. xylopodius
 and Panus connatus, related to L. hirtus

Pileus thick, convex; gills adnate	Lentinula detonsa (Fr.)Murr.
Veil present; hymenophores densely cespitose, surface smooth	Lentodiellum concavum (Berk)Murr.

Hymenophore fleshy or membranous

Stipe excentric, lateral or wanting

Pleurotus (segregated)

Pileus sessile, often partly resupinate when young
see also P. limpidus

Geopetalum

Pileus less than 1cm, rarely more in G. copulatum

Pileus resupinate

G. inconspicuum

Pileus 1-2mm

G. subelatinum

Pileus 3-8mm

Pileus not normally resupinate

G. haedinum

Surface white, gills whitish, pruinose on edges

G. copulatum

Surface pale ochraceous; gills not whitish

G. tremelliforme

pruinose on edges

G. catephes

Pileus more than 1 cm broad surface ferruginous

G. subhaedinum

Surface translucent, glabrous, pileus reniform

G. Siquirres

Surface milk white

G. 7647

Pubescent, pileus flabelliform

G. Cattii

Viscid, thin, pileus dimidiate

G. 5058

Surface isabelline, pileus 6x9cm

G. 4806

Surface orient pink, pileus 3-3cm.

G. semitectum

Surface buffy brown or lighter, 11x8cm

G. serotinoides, 6746

Surface salmon buff, pileus 12x20cm, crisped

G. flavolanatum

Surface white to pale fuscous, spongy pubescent to

G. Barnstorf, 5510, 7317

 glabrous; pileus flabelliform or spatulate

Surface sordid grayish olive, spongy tomentose,

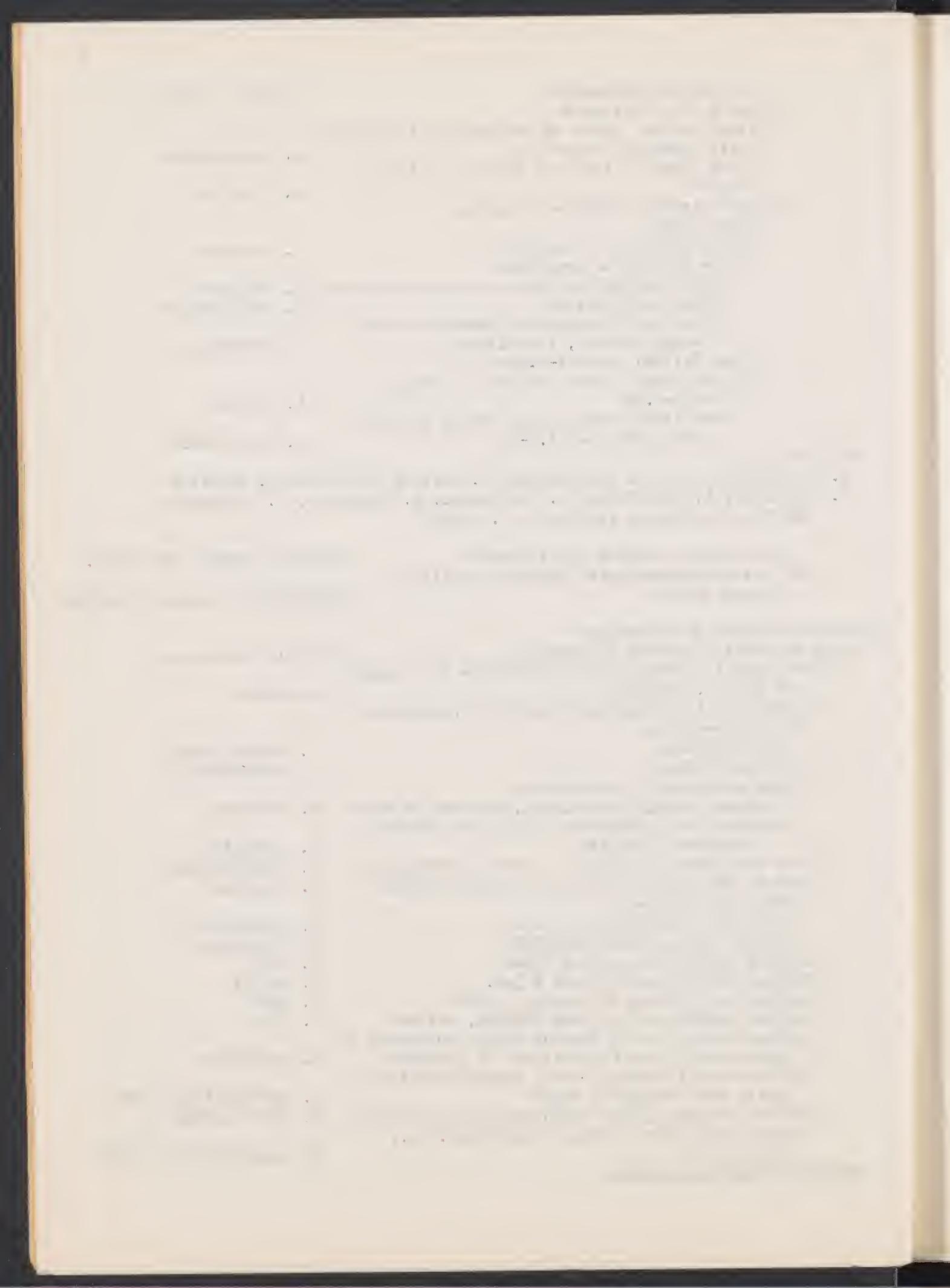
 gills zinc orange to tazny

Surface fuscous, spongy tomentose, gills yellowish

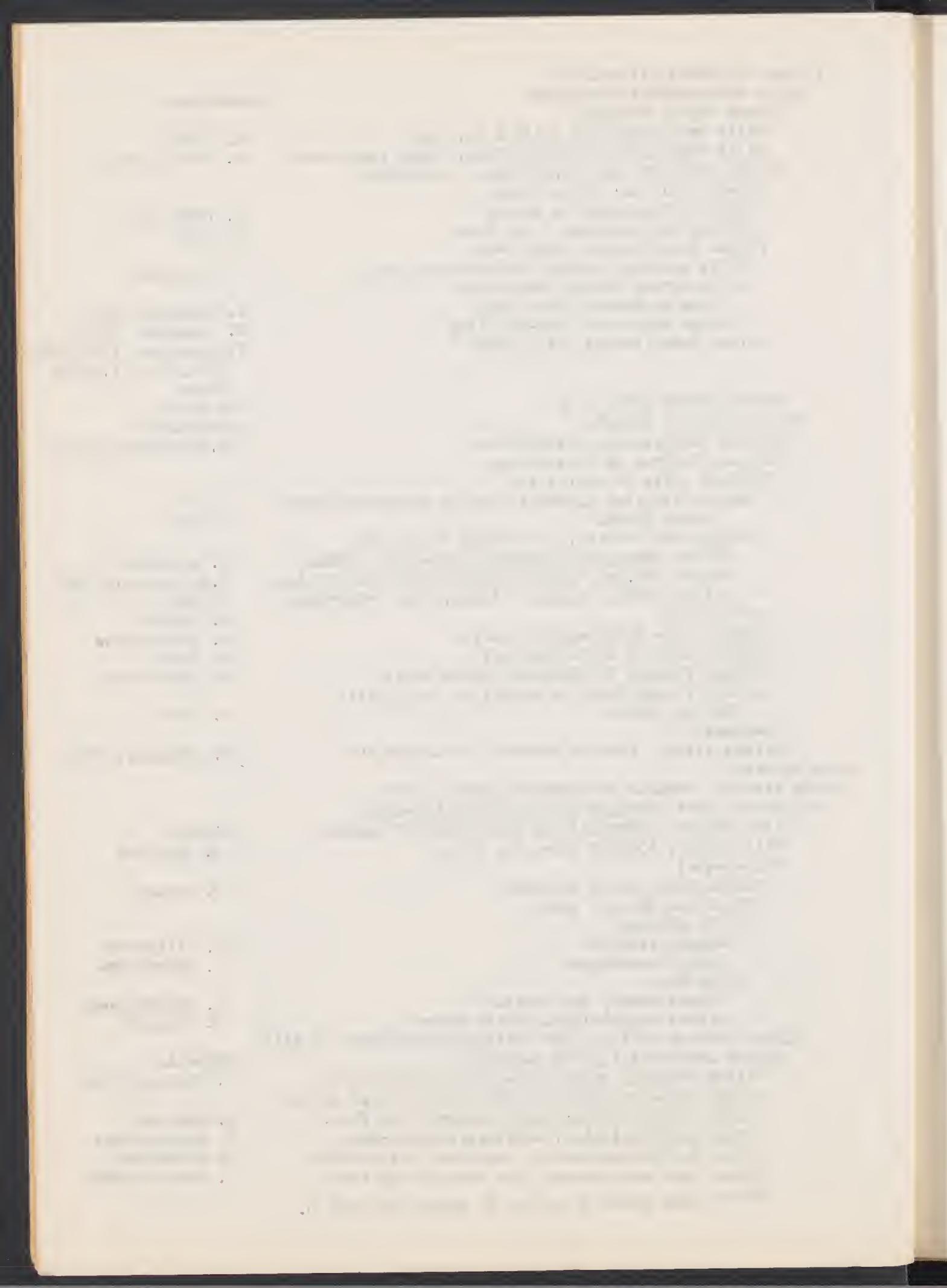
Surface avellaneous, spongy tomentose, 3.5cm.,

 gills white

Stipe excentric, dark, weakly xsa



Pileus stipitate (laterally)		
Gills conspicuously decurrent	Crepidopus	
Pileus drying reddish		
Gills crowded, narrow, stipe 2 cm. long	C. 5382	
Gills very distant, interveined, stipe very short	C. hemiphlebius	
Pileus white or whitish, yellowing on drying		
Pileus 11x14 cm; stipe 2x1cm		
Margin striate, gills narrow	C. 7250, 7726	
Margin not striate, gills broad	C. 5369	
Pileus 4-6cm broad, stipe 1-5mm		
Gills narrow, crowded, stipe 4-5cm long	C. caveatus	
Gills rather broad, subdistant		
Stipe glabrous, 1-2cm long	C. commiscibilis	
Stipe tomentose, 2.5-5cm long	C. connatus 7669?	
Pileus 2-4cm broad; stipe 4-8mm	C. Eugeniae, 7324, 7289, 7252, 5 coll. Golfo Dulce	
Pileus orient pink, 3 cm	C.? Cattii	
Gills adnate or sinuate	Microphiale	
Surface conspicuously fibrillose	M. fulvifibrillosum	
Surface glabrous or pulverulent		
Surface white or nearly so		
Margin striate, pileus 7cm, gills subdistant, broad, stipe 5x10mm	M. 5383	
Margin not striate, gills close to crowded		
Pileus 18mm, gills crowded, narrow, stem 12x2mm	M. excavatum	
Pileus 4x3.2cm, gills close, broader, stem 3.5x4mm pileus 7x10cm, margin crisped, stipe 7-8x5-6mm	M. Carpenteria, 6238	
Surface bay	M. 4796	
Surface pale fuscous, gills narrow	M. badium	
Surface drab to cartridge buff	M. brunnescens	
Surface fuscous to blackish, gills broad	M. 5220	
Surface Verona brown to cartridge buff, gills Naples yellow	M. fuscifrons	
Surface	M. 5365	
Surface viscid, Dresden brown to cartridge buff	M. viscidus, 7695	
Stipe central		
Stipe slender, tubular with cartilaginous cortex		
Margin at first straight and appressed to stipe	Hiatula	
Pileus plicate, s splitting down backs of lamellae	H. discreta	
Stipe conic, 15mm at base, 4mm above		
Stipe equal		
Pileus less than 1 cm broad	H. minima	
Pileus 2cm or more broad		
Gills adnexed		
Margin ciliate	H. ciliatulus	
Margin crenulate	H. crenulatus	
Gills free		
Pileus plane, pale purple	H. purpurascens	
Pileus campanulate, reddish brown	H. Benzonii	
Pileus even or striate, not splitting down backs of galls	Omphalia	
Pileus umbilicate; gills decurrent	O. distantifolia	
Pileus entirely smoky white, gills very distant		
Pileus white or whitish, differently colored on disc		
Disc reddish brown; stipe scarcely 1mm diam.	O. convexa	
Disc pale yellowish, solitary; stipe 2-3mm	O. petasiformis	
Disc subfuscous, densely cespitose, stipe 2-3mm	O. euspeirea	
Pileus pale avellaneous , 8mm broad; gregarious	O. subavellanea	
Pileus some shade of yellow or orange see next p.		



Pileus some shade of yellow or orange	
Hymenophores solitary or gregarious	
Pileus lemon-yellow, 5cm.broad, among dead leaves	<i>O. citricolor</i>
Pileus orange yellow, often fading, 2-13mm, among mosses	<i>O. fibula</i>
Pileus stramineous with grayish tint, 12mm. broad	<i>O. myceniformis</i>
Pileus dull rosy-isabelline, 2cm broad	<i>O. cuticolor</i>
Hymenophores cespitose	
Pileus pale isabelline; stipe glabrous	<i>O. roriduliformis</i>
Pileus yellowish ferruginous to dull reddish yellow, stipe with brown hairs below	<i>O. campanella</i>
Pileus pale avellaneous, 8mm. broad, gregarious	<i>O. subavellanea</i>
Pileus convex to umbonate	
Gills free	New genus July 28
Gills adnate to adnexed	<i>Mycena</i>
Pileus white, whitish or cinereous, sometimes differently colored on the disk	
Surface entirely white (see also <i>M. pruinosa</i> (pileus farinose))	
Pileus 1-4mm broad	
Stipe 4-5mm long	<i>M. Myrciae</i> , 7259
Stipe 1-2.5cm. long	
Pileus 2mm, striate	<i>M. 7280</i>
Pileus 2mm, not striate	<i>M. alphitophorus</i>
Pileus 4mm, striate	<i>M. subpulverulentus</i>
Pileus 4mm, not striate	<i>M. 7270</i>
Pileus 1.5-2cm broad	<i>M. trojanus</i> , 7297; 7240, 7649
Surface white with fuscous umbo	<i>M. roridulus</i> , 7319
Surface sinereous with pale avellaneous umbo	<i>M. Margarita</i>
Pileus and gills greenish gray	<i>M. viridigrisea</i> , 7203?
Pileus yellowish avellaneous or brownish	
Pileus 4-8mm broad	
Stipe 1cm long	<i>M. Siquirres</i> Dec.5 cf. 7299
Stipe 2cm long, avellaneous	
Pileus solitary or gregarious, striate	
Surface pale avellaneous, ashy white on disc	
Surface avellaneous with smoky tint, disc concolor	<i>M. cinereiavellaneus</i>
Surface pale avellaneous, ashy white on disc	<i>fumosaiavellaneus</i>
Pileus cespitose, not striate	<i>M. axillareigriseus</i>
Stipe 5-7cm long	<i>M. avellaneigriseus</i>
Pileus about 1cm broad	<i>M. gracillipes</i>
Surface Naples yellow, umbonate, not striate stipe 2cm	
Surface avellaneous, striate	<i>M. argillaceus</i> , 7239
Surface dark brown, not striate	<i>M. pubescens</i> , 71, 87
Pileus 1.5-2cm broad	
Pale avellaneous or isabelline	<i>M. cinchonensis</i> , 7309 7295, 7655
Sayal brown	<i>M. 5112</i>
Olive brown	<i>M. 5113</i> , 7664
Brussel's br own	<i>M. 4656</i>
Tawny to russet	
Pileus 3cm. broad	<i>M. 5361</i>
Avellaneous	<i>M. 5126</i>
Buffy brown shading pale, umbonate	
Sayal brown	<i>M. 5127</i>
Tawny to russet	<i>M. 5106</i>

cf. M. 5341
5090
5096

and the other half of the country
is covered with dense forests.
There are many large lakes,
but the water is very cold.
The people are very poor,
and their houses are made
of logs and mud.
They live on fish,
berries, and wild roots.
The men hunt moose,
caribou, and bear.
The women gather wild
fruits and roots.
They have no money
and must trade for
what they need.
They live in small
villages along the coast
and in the interior.
They speak a language
that is difficult to learn.
The people are kind
and friendly to visitors.
They are proud of their
culture and way of life.

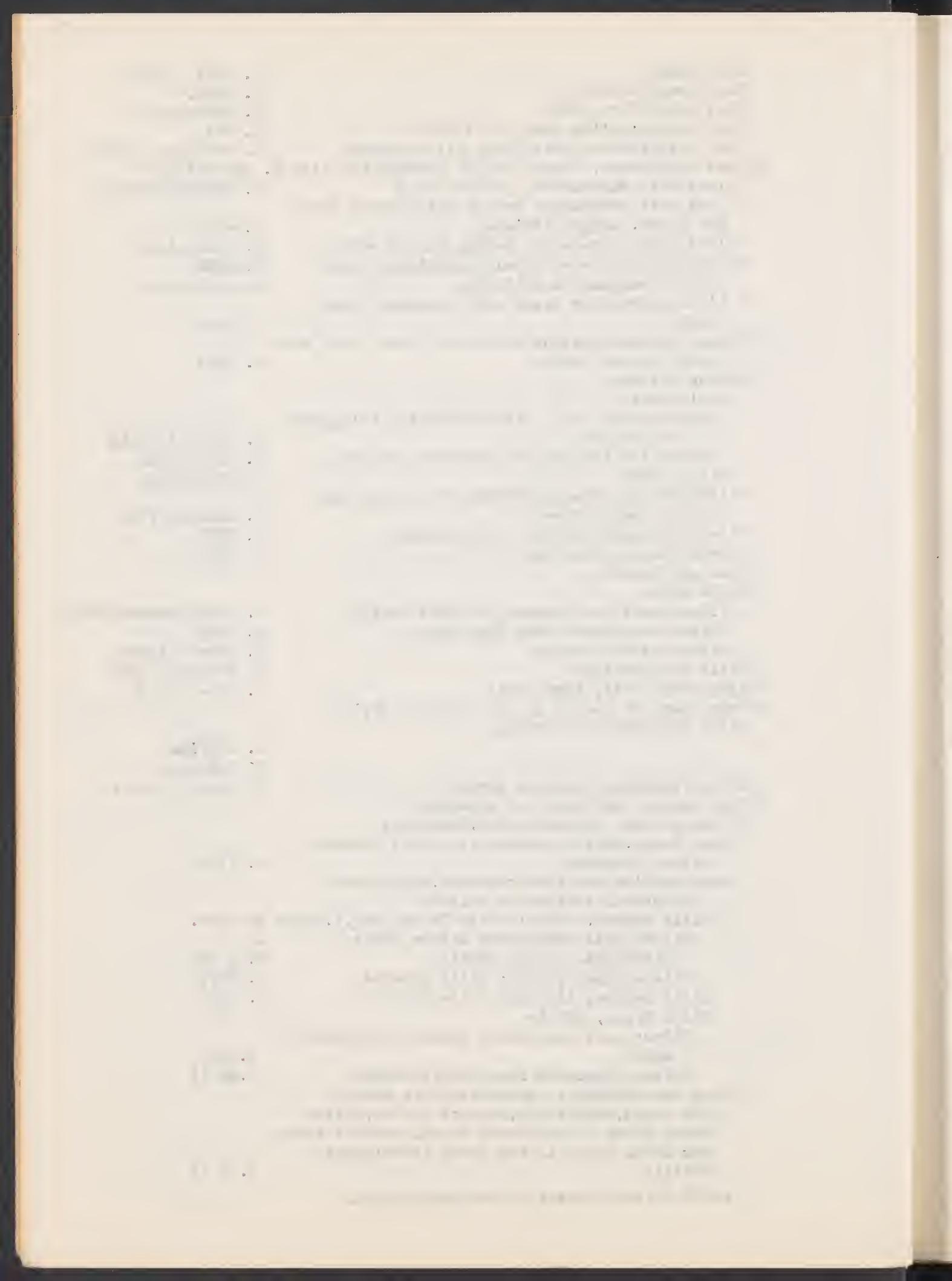
Pileus 5cm, wood brown	M. 5375
Pileus 2.2cm broad, wood brown	M. 5379
Hazel	M. 7660
Pileus lilac or some shade of reddish	
Pileus 5-8mm broad	
Lilac	M. syringaeus
Dark testaceous	M. testaceus
Pileus 1-2cm broad, stipe 2-3cm long	
Latericeous, gills testaceous	M. latericius
Chestnut red; gills fazn color	M. corrugatus
Madder brown to Pompeian red	M. 5346
Pileus 2-5cm; stipe 5-8cm; rose lilac	M. purus
Margin at first incurved	
Gills decurrent; pileus umbilicate	Omphalina
Pileus white or whitish	
Pileus under 13mm broad	
Pileus 5mm broad, stipe 6mm long	O. niveicolor, 7193, 7293, 7221, 7205
Pileus 8-13mm, stipe 1-4cm	
Pileus not umbonate	O. subscyphoides
Stipe 2cm, pileus 13mm	O. Golfo Dulce 7710
Stipe 3cm, pileus 10mm	O. tepeitensis
Stipe 4cm, pileus 8mm	
Pileus umbonate	
Pileus convex with abrupt small umbo	O. cuspidatella
Pileus conic with a long pointed umbo	O. acuminata
Pileus 3cm or more broad	
Pileus convex to umbilicate, gills distant	O. collybiiformis, 7644
Pileus infundibuliform; gills crowded	O. jalapensis
Pileus yellow or yellowish	
Pileus infundibuliform	
Pileus 1-1.5cm broad	O. lenta, 7680, 7734
Isabelline	O. flavella, 7328, 726
Flavovirens becoming melleous	771 O. 7217
Medal bronze to citrine	
Pileus 3-4cm, isabelline may be only large form	O. Sandalo 7712
of O. lenta	O. merulioides n.sp.
Pileus 3cm drab, reticulated darker	
Pileus convex, 2-3cm broad	
Stipe 1mm in diameter	O. Earlei
Stipe 2-4mm in diameter	O. cremea
Pileus umber (if raw cf. spec. from Castilla Jy23	O. chondripes
Pileus red or reddish	
Pileus 6mm broad, gills distant	O. miniata
Pileus 12mm broad, gills crowded	O. coccinea
Pileus 2.5cm broad	O. carneola
Gills adnate or adnexed	Collybia
Pileus glabrous	
Pileus not viscid	
Pileus entirely white or whitish	
Pileus 1-2cm broad, gills adnexed crowded, narrow	C. muscicola
Pileus 3-8cm broad	
Gills deeply sinuate, narrow, crowded	C. Boryana
Gills adnate, broad	C. albidula
Pileus whitish, differently colored on disc	
Disc pale yellowish; stipe 1.5cm	C. orizabensis

the first time. I am very fond of you and your wife, and will be
ever to you all my affectionate regards.

Yours very truly

J. H. Williams

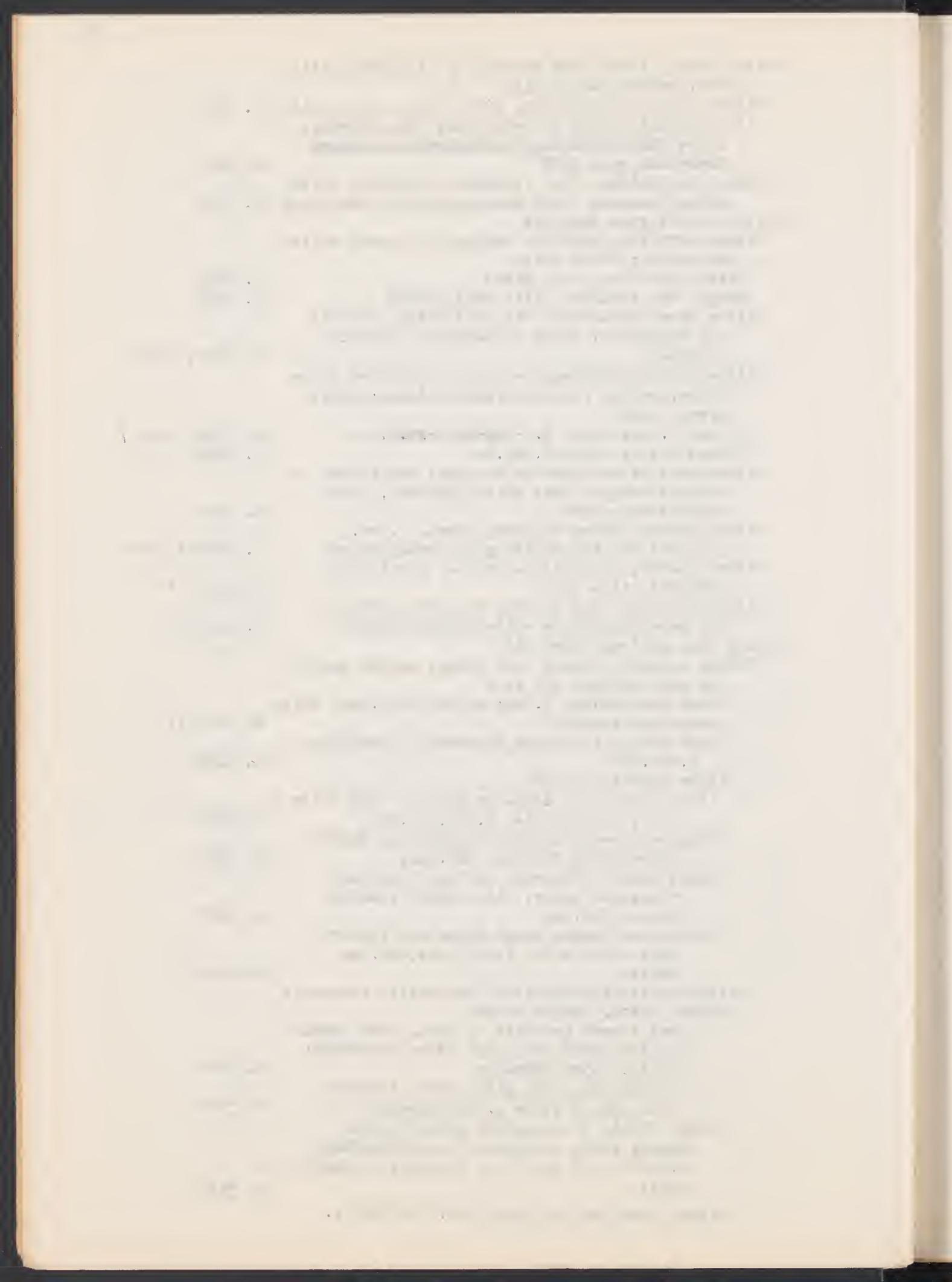
Disc tawny	C. 4427, 7668?
Disc mummy brown	C. Sept. 8
Disc pale olive buff	C. Nevermann
Disc russet; stipe 4cm; gills broad	C. 4810
Disc latericious; stipe 6cm; gills narrow	C. oculatus, 7219?
Pileus ochraceous, isabelline or fulvous [cf also C. dryophila]	
Pileus pale ochraceous, 5-10mm broad	C. marasmiiformis
Pileus pale ochraceous salmon with russet umbo, 5cm broad, margin striate	C. 4810
Pileus dark ochraceous, 1-3cm, margin even	C. domesticus
Pileus isabelline with pale latericious umbo 5cm broad, margin splitting	Cxx 1926 C. monticola
Pileus ochraceous tawny with cinnamon brown umbo	C. 4996
Pileus antimony yellow with hazel disc, 5cm, mar- gins rugose striate	C. 7281
Pileus fulvous	
Gills white	
Stipe 2-3cm long, pileus becoming fuliginous on drying	C. nigritiformis
Stipe 1cm long; pileus remaining fulvous	C. densifolia
Gills brown	C. fimetarius
Pileus wholly cinnamon rufous with large umbo, gills nearly free	C. Sandalo 7732
Pileus cinnamon rufous, disc chestnut	C. 7253
Pileus russet, 5cm diam	C. 5387
Pileus avellaneous	
Gills white	
Pileus pale avellaneous [tilleul buff?]	C. cinchonensis 7696
Pileus wood brown with fawn disc	C. 7213
Pileus reddish brown	C. subnivulosus
Gills pale murine	C. subavellaneus
Pileus rosy livid, 12mm broad	C. roseilividia
Pileus black or nearly so, at least on drying	
Gills blackening on drying	
Gills remaining white on drying	C. nigrita
Pileus orange, yellowish or brownish	C. irrorata
Pileus convex, umbonate, 2-3.5cm broad	C. nigritiformis
Umbo large, margin upturned, slightly lacerate, pileus cinnamon	C. 7732
Umbo smaller and less prominent, margin not upturned, striate to sulcate	
Gills narrow, white; stipe 7-8cm long, 1.5-3mm in diam.	
Pileus pale ochraceous salmon, innate	C
fibrillose, gills adnate	C. 723
Pileus honey yellow; gills adnexed	C. 7671
Gills medium, distant, tilleul buff	C. 7696
Gills broad, adnate	
Pileus pale ochraceous salmon with russet umbo	C. 4810
Pileus vinaceous fawn, hygrophanous	C. 89 11
Pileus campanulate to subconic, gills adnate	
Gills broad, subdistant, mustard yellow, pileus mummy brown to buckthorn brown, stipe velvety raw umber below to raw siena above; margin striate	C. 8 14
Gills narrow, close; pileus hygrophanous	



Gills narrow, close; pileus hygrophanous	
Pileus pinkish buff to mars brozn,gills pinkish cinnamon, stipe white	C. 7 7
Pileus cinnamon brown to ochraceous tawny, gills light ochraceous buff, stipe Hessian brown, lower quarter clothed with whitish tomentum	C. 7 10
Pileus hygr ophanous	Laccaria
Pileus umbonate, light pinkish cinnamon to Sayal brown	
Pileus 6cm, stipe 9x0.6cm	L. 7646
Pileus 1.5-1.8cm, stipe 2x0.1cm	L. 6133
Pileus umbilicate	
Pileus pinkish buff, 8cm; stipe 10x1cm	L. 6134
Pileus dark livid brown to livid brown, 3cm; stipe 4x0.5cm	L. 5153
Pileus salmon buff, 1cm; stipe 2.5x2-1cm	L. Aug. 7
Pileus expanded to flat or even depressed but not umbonate or umbilicate	
Pileus fawn, disc army brown margin, 4cm; stipe white 2x0.25cm	L. 5364
Cinnamon disc, bister margin, 2.3cm; stipe wood brown, 4.5x0.2cm	L. 5155
Pileus deep brown drab, 1.5cm; stipe cinnamon drab, 3x0.25cm	L. 5154
Pileus buff pink to vinaceous tawny; 3cm, stipe onionskin pink, 2x0.2cm	L. July 13
Pileus hazel, 0.9cm; stipe light russet vinaceous 2x2x0.2-0.4cm	L. July 16
Pileus viscid	Collybia
Pileus white	C. Sandalo 7716
Pileus tawny or reddish yellow, cespitose	C. velutipes
Pileus chestnut, solitary	C. July 11
Pileus Saccardo's umber	C. 5062
Pileus with hairs or scales	
Pileus white with floccose, subseparable pellicle	C. subflavescens
Pileus orange, densely furfuraceous velvety Margin not striate; gills crowded; stipe 3x0.4cm	C. 5128, cf. Aug. 29
Margin striate; gills distant; stipe 3.5-5x0.2cm	C. chrysopeplus
Pileus ochraceous to yellowish red becoming bay or chestnut, densely tomentose when young	C. tenuipes, 7311, 7263, 7238, 7677, 7687
Pileus mahogany red with bay or chestnut umbo	C. 5028
Pileus buckthorn brown on warm buff background	C. Aug. 21
Pileus buffy brown	C. 5368
Pileus black	C. 5131
Cf. 7671, 7690	
Stipe stout, fleshy, of uniform texture	
Context of vesiculose cells	
Very watery or milky juice present	Lactarius
Pileus viscid, becoming milk watery becoming testaceous and blackening	L. july 10
Pileus velvety	
Flesh buff yellow on wounding	L. Aug. 7
Flesh buckthorn brown, tawny	L. 4993
Pileus fibrillose scaly, warm sepia	L. July 7
Pileus moist, cinnamon rufous to light ochraceous buff	L. 6129
No watery or milky juice present, usually dri ght dry, light	Russula
Pileus rough, fibrillose velvety or floccose, gills close, narrow, taste mild	



Pileus rough, fibrillose velvety or floccose, gills close, narrow, taste mild		
Pileus dirty white, 7-8cm, fibrillose; stipe white	R. 5034	
Pileus alizarin pink to pale rose; 3cm, velvety, stipe white becoming light chamois, tomentose		
white becoming light chamois, tomentose warm buff	R. 5247	
Pileus isabelline, 3cm, floccose verrucose; stipe white becoming light chamois, tomentose	R. 5150	
Pileus viscid even when old		
Pileus purplish, pellicle separable; spores white; taste mild; stipe white		
Margin striate; gills broad	R. 5033	
Margin not striate; gills very narrow	R. 5032	
Pileus cream color with old gold disc; pellicle not separable; stipe white; margin striate sulcate		R. 5148, 5147
Pileus buckthorn brown; pellicle separable; stipe white, margin rugose striate sulcate; gills cream color		
Pileus 5.5cm; stipe 2.5-4x0.8-1.0cm	R. 5149, July 7	
Pileus 1.7cm; stipe 2.3x0.4cm	R. 5145	
Pileus mars br own shading to hazel and russet on striate margin, 4cm; stipe 3.5x6-8mm, pale ochraceous salmon		R. 5144
Pileus Dresden brown to mummy brown, 2.7cm., pellicle not separable; gills cream color		R. Zurqui 6130
Pileus bister, pellicle separable, margin not striate; stipe white		R. Aug. 14
Pileus cinnamon buff shading to white, pellicle not separable; stipe white, margin striate		R. July 7
Pileus dry, at least when old		
Pileus probably viscid when young; margin smooth or only faintly striate		
Pileus isabelline, 3.5cm; stipe 3x1-1.5cm, white staining brownish	R. July 11	
Pileus deeply vinaceous lavender, 4.5cm; stipe 2.4x0.8cm	R. 5238	
Pileus brownish, 6-7cm		
Liver brown with donnamon buff or clay color disc; stipe white, 2.5x0.7-0.9cm	R. 6629	
Diamine brown, maculate lighter and darker; stipe white fibrous, 2x1.6cm.	R. 5404	
Light russet vinaceous to Hays brown and vinaceous tazny; stipe light pinkish lilac, 5x1.5cm		R. 5035
Pileus variegated sayal brown and bister, 9cm; stipe silky fibrillose, 8x2.5cm white		R. July 7
Pileus wholly dry; pellicle not easily separable		
Pileus black, margin smooth		
Pileus rimose areolate on disc, 18cm diam.; gills white with dark edges, darkening; stipe 5.5cm diameter	R. ----	
Pileus smooth, 8cm; gills cream becoming dark gray; stipe 1.6mm diameter	R. 5245	
Pileus Prouts brown, margin striate; gills broad; stipe ventricose to subfusiform, 2.5x0.4-0.75 cm, flesh thin, taste slowly acrid		R. 5146
Pileus warm buff on disc, etc. see next p.		



Pileus warm buff on disc, rest maculate of buff vinaceous and drab; gills narrow; stipe tapering upward, 5.5x0.4-1.5cm; flesh thick, taste mild; margin not striate	R. 4219
Pileus Etruscan red mottled buff pink; gills broad antimony yellow; stipe 2x0.7cm; flesh thin, taste mild; margin not striate	R. July 7
Pileus hazel, mottled lighter shading to seashell pink; margin sulcate striate; gills white; stipe white, 4x0.8-1.2cm, ventricose	R. July 11
Context without vericular cells in trama	
Gills waxy	Hygrophorus (segregated)
Pileus viscid; bright colored fragile	Hydrocybe
Pileus small, less than 1.5cm in diameter	
Stipe 1.5-2.6cm long	
Gills decurrent	H. rosea
Gills adnate or adnexed	
Pileus luteous with faint traces of red; Stipe citrine	H. flavolutea
Pileus and stipe apricot yellow	H. 5237
Pileus and stipe orange	H. aurantia
Pileus Brazil red with orange chrome disc	H. 5139
Stipe 3-4cm long; gills decurrent	
Pileus yellow	H. hondurensis
Pileus red	H. subminiata
Pileus ferruginous	H. 4460
Pileus medium to large, usually 2-5cm broad, rarely smaller in H. laeta and H. flammnea	H. trojana
Pileus distinctly umbonate	
Pileus blackening on drying	H. conica
Pileus not blackening	H. subflavida
Pileus convex to plane or depressed	
Pileus pale reddish yellow; stipe pale yellow; spores spherical	H. Earlei
Pileus and stipe strontian yellow to yellowish citrine, 6cm	H. 5024
Pileus greenish black, 3.5cm	H. 5366
Pileus ruber to miniatus; stipe luteous or paler	H. subcaespitosa
Pileus incarnate, not fading, rarely varying to white or pale fuliginous; stipe fulvous	H. laeta

the life of Jesus. There are also a few pages of notes on the life of the Virgin Mary, and one page of notes on the life of St. John the Baptist.

The book is bound in a simple cloth cover with a leather spine. The title "The Life of Jesus Christ" is printed in gold lettering on the front cover. The author's name "John Foxe" is printed in gold lettering on the back cover. The date "1563" is printed in gold lettering on the spine. The book is in good condition, with some minor wear and discoloration.

Pileus Begonia rose, minutely fibrillose; stipe coral pink shading to flesh ochre below	H. 6022
Pileus scarlet, soon fading Spores 8-9 x 4-6 u	H. flammea
Spores 18 x 10 u	H. bella
Pileus not viscid; not brightly colored, firm	Camarophyllus
Pileus white with a very large umbo	C.alboumponatus
Pileus gray	C.?variolosus
Pileus orange, depressed at center	C.Cantharellus
Pileus sepia to cinnamon buff	C. 5348
Pileus cinnamon brown	C. 5023
Pileus olive ochre, depressed at center	C. 4475
Glutinous, veil present forming an annulus or reduced to squamules; pileus not brightly colored	Hygrophorus
Pileus pale fuscous when young becoming paler except on disc 3-4 cm broad	
Pileus rawumber	H. subpratensis
Pileus ochraceous to ochre buff	H. 4474
Pileus sepia to isabelline	H. 5227, 7196
Pileus stramineous to isabelline with a testaceous tint 2.5 cm broad	H. 5137
Pileus dark chestnut brown	H. montanus
Gills not watery Volva and veil absent	H. 5138
Pileus white with floccose avellaneous patches	H. 7331
Gills decurrent	Clitocybe
Pileus snow white	C. 7428
Pileus 3 cm broad infundibuliform	C. 5117
Pileus 2.5 mm broad convex umbilicate	C. niveicolor
Pileus 7 mm broad	
Pileus whitish to pale isabelline	C. trojana
Pileus 1 cm broad	
Pileus 2.5-3 cm; gills cream color; densely cespitose	C. 5527
Pileus 5-8 cm broad	
Stipe 2-4 mm diam	C. Broadway, 7735
Stipe 4-6 mm, gregarious, often excentric	
Pileus pallid with a rosy tint, light bay on conic umbo 2 cm broad	Pleurotus commiscibilis
Pileus dilute testaceous, deeply umbilicate, 3-5 cm	C. 5373
Pileus orange rufous to Sanford Brown - Aug 27	C. testaceoflava? 7218
Pileus antimony yellow	C. 5100
Pileus clay color	C. 5020
Pileus pinkish cinnamon with S. royal brown umbo	
Pileus anthracene purple fading Verona Brown or lighter Aug 24	C. 5266
Pileus cinnamon brown to pale ochraceous buff	C. 7428
Pileus vinaceous rufous	
Gills sinuate	Tricholoma
Gills reddish; pileus latericious	
Spores globose, 3-4 u	T. jamaicensis
Spores ovoid, 9-12 x 4-7 u	T. holoporphrya
Gills white, pale yellow or dirty brownish	
Pileus white with disc, viscid with remains of veil	T. 5514

the first time in the history of the world.

It is a remarkable fact that the

whole of the world's history has

been written in the last few years.

The world has been writing

the whole of the world's history

in the last few years.

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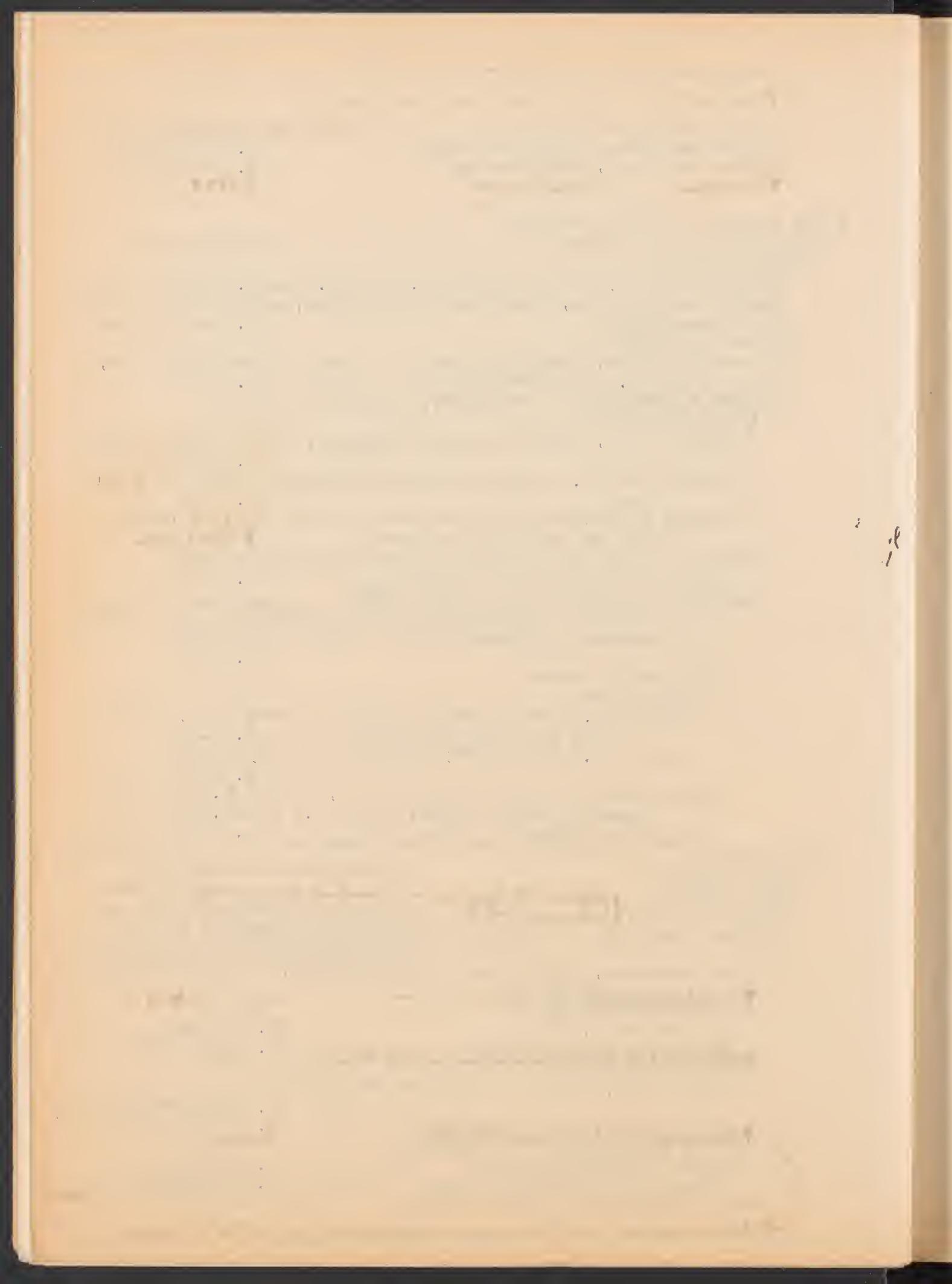
in the last few years.

The world has been writing

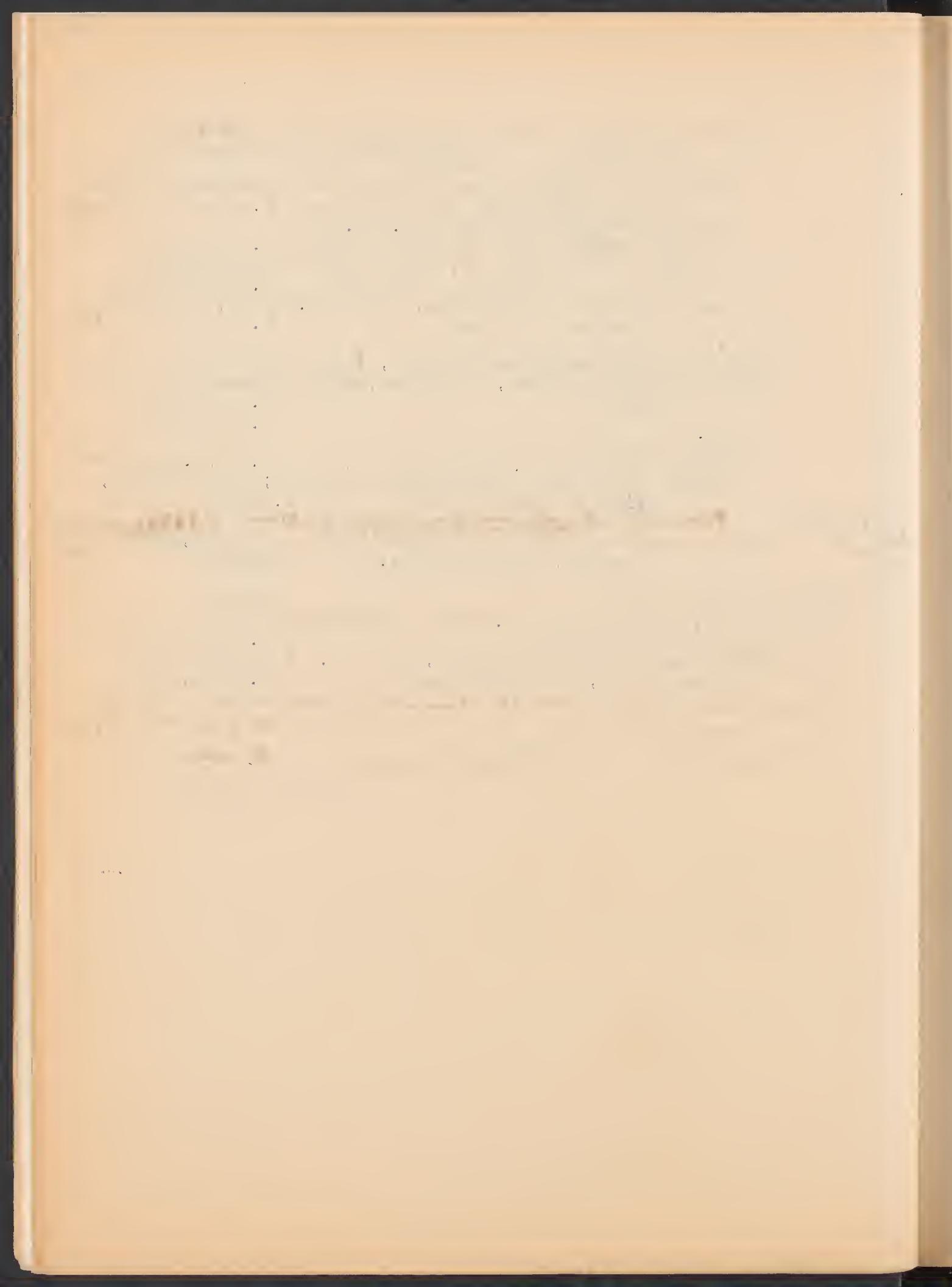
the whole of the world's history

in the last few years.

Pileus mikado brown tomentose rimoso areolate	J. Jy 29a
Pileus light ochraceous salmon tomentose strigose.	J. Jy 29
Pileus dingy isabelline	Tricholoma subisabellina
Pileus and stipe purplish lilac	T. dichropus
Pileus chestnut, stipe white	T. jalapensis
Pileus drying stipe drying	7.7/24
Volva absent and veil present	
Gills adnate or adnexed	Armillaria
Pileus viscid	
Margin striate, russet; stipe 5.5 x 2-1.5 cm	A. 5133
Margin not striate, deep red or chocolate; stipe 5-6 x 3-5 mm Guadeloupe	A. umbillicata
Pileus not viscid	
Pileus areolate; pinkish cinnamon to Sayal brown 5 cm diam; stipe 3.5 cm x 7-11 mm	A. 5257
Pileus squamulose or verrucose, at least on disc Margin striate	
Pileus 5 cm, white or pink? umbonate; stipe 2 cm x 5 mm	A. 5235
Pileus 7-8 cm. cinnamon brown, umbonate; stipe 7 x 1 cm equal	A. 5408
Pileus 10 cm. mars brown to honey color; stipe 6 cm x 11-5 mm tapering downward	A 5043, 5406
Margin appendiculate; pileus 7 mm, antimony yellow pileus 2.5 cm Prout's brown A. george 9/9/36	A. 5000
Margin not striate or appendiculate	light pinkish cinnamon
Gills foveolate with meruliod depressions; pileus orange cinnamon to Mikado brown; stipe 3 cm x 6 mm	
	A. 5134
Gills not as above	
Gills white	
Pileus 1.5 cm ochraceous tawny to warm buff; stipe 3 cm x 3 mm, warm buff	A. 5135
Pileus 2.5 cm white?; stipe 3 cm x 10 mm white	A. 5217
Gills walnut brown to carob brown; pileus 8.5 cm sayal brown to snuff brown; stipe 2.5 x 2-1.5 cm	
gills concolorous	A. 5285
Gills free	
Spores green	Chlorophyllum molybdites
Spores white	
Pileus viscid { pileus with clay color disc shading pinkish buff	S. 7326
{ pileus all white	Lepiota (Limacella) agricola
Pileus granulose or verrucose with swollen vesicles 1-2 cm	
	Lepiota (Eulepiota) aspratella
Pileus pruinose, fibrillose or pulverulent, rarely glabrous	
Pileus stipe glabrous, light cadmium	L. golfo dulce 7109
Pileus entirely white	
Spores ovoid, 5 u	L. lactea
Spores broadly fusiform	L. colimensis
Pileus disc buffy brown darker margin white 3 cm diam	S. 7327
Pileus testaceous	
Pileus 1cm; stipe and annulus testaceous	
Pileus 4 mm; stipe and annulus white	L. subgranulosa } 7704
Pileus darkened & brown 2 cm stipe white	L. testacea
Pileus avellaneous to fuliginous	S. 7265
Pileus umbonate 1-2 cm	L. rimosa
Pileus not umbonate, 3 cm	L. Broadwayi
Pileus squamulose; annulus fixed or evanescent; scales appressed	
Pileus carnelian red to orangeous rufous 2.5 cm stipe white	S. 7262



- Pileus becoming reddish on wounding 10 cm; ~~epizyloous~~
cespitoso Lepiota(EuLepiota) jamaicensis
- Pileus not changing on wounding
Scales some shade of red, fulvous or isabelline; pileus
6-7 cm; stipe 7 cm, abruptibulbous L.abruptibulba 6628
~~7275~~
- Scales avellaneous; pileus 0.7-2.5 cm
Pileus more than 1 cm; stipe white L. subgrisea
Pileus less than 1 cm; stipe purplish fuliginous L. subcristata
- Scales brown to fuliginous; pileus 2.5-4 cm, white not
changing on drying L. tepeitensis 7692
- Pileus conspicuously long striate, thin, squamulose
Pileus 5-10 cm yellow, cespitose, stipe bulbous; spores 8-1
8-11x 5-7 L. cretaceus
L. cepastipes
- Pileus 1-5 cm
Pileus white with yellow center L. flavodisca 7305
Pileus white with dark scales; 2-5-5 cm; spores 6-7 u;
stipe 4 cm, subequal L.subclypeolaria
- Pileus white with gullaceous disc 2cm stipe 3cm x 1mm S. 7233
dark disc 2.5 stipe 6x3mm 7329, 7307 golf D
Pileus substriate white, disc with fuscous fibrils; stipe slender, cartilaginous! L? 5505
- Inset L. hemisclerum.
- Volva and veil present Amanita
Pileus 5 cm, convex; stipe 4.5 cm x 4 mm without bulb
volva inconspicuous A. mexicana
- Pileus ^{white} 11-12 mm, conic campanulate; stipe 2.5 x 2 mm with bulb
flattened above, volva evanescent A. 5001, 5088
- Pileus 2.5 cm convex stipe 6cm x 2-3mm with bulb flattened above. volva
inconspicuous a. golf Dulce 7673
- Pileus cream buff, 1.3 cm campanulate stipe 4¹/₂-3mm clothed with bricked fibrils
Q. rubescens
Q. py 28



Spores pink		
Volva and annulus wanting		
Stipe cartilaginous		
margin of pileus incurved		
Gills decurrent	Eccilia	
Pileus white	E. 5592	
Pileus tan colored		
Pileus 1 cm; stipe 2 cm	E. cubensis	
Pileus 2 cm; stipe 4 cm	E. Earlei	
Pileus pale blue 2.5cm ochraceous buff	E. mexicana	C 7641
Pileus blackish	E. jamaicensis	
Gills adnate or adnexed	Leptonia	
Epixyloous		
Pileus 2 cm; avellaneous; gills distant; stipe 3.5 x 2-3 mm, murinous	L. atrosquamosa	
Pileus 2.5, fawn color to avellaneous; gills close stipe 7 cm x 3 mm shining white	L. 5546	
Pileus stipe pale ^{avellaneous} red, drying chestnut red; gills stipe 8-10 x 3-5 mm concolorous with orange base	L. 7206	
Pileus 4 cm. clay to pale pinkish buff; gills distant; stipe 4 cm x 3 mm baccardo number L. miniata	L. miniata	L. 730
Terrestrial		
Pileus pale tan	L. Earlei	
Pileus livid purple	L. hypoporphyrat	
Pileus murinus or avellaneous		
Stipe 4-5 cm, murinous		
Pileus avellaneous shading to tilleul buff margin gills close; stipe white, light brown when bruised	L. ----, 5559?	
Pileus murinous to margin; gills distant; stipe murinous	L. murinax	
Stipe 2-3 cm; yellowish buff avellaneous pileus		
Disc fuliginous; gills broad, distant, pale russet stipe fumosus	L. cinchonensis	
disc concolor; gills broad, distant pale ashy gray stipe pale avellaneous	L. mexicana	
Pileus pale pinkish buff 4 cm.	L. 973°	
Margin of pileus straight; gills free or adnexed Nolanea over		
Pileus umbilicate	N. helicta	
Pileus convex ochre red shaggy luteous stipe smooth white	N. 7678	
Pileus expanded drab with chaotic drablic smooth stipe smooth white	N. July 7.	
Stipe fleshy		
Gills decurrent, varying to adnate	Clitopilus	
Pileus white, 1-2 cm	C. Earlei	
Pileus gray, 5-10 cm	C. abortivus	
Gills free	Pluteus	
Pileus 1 cm or less broad		
Surface white covered with soft blackish hairs	P. tephrostictus	
Surface reddish white, glabrous	P. alborubellus	
Surface orange red	P. laetifrons	
Surface date brown	P. aethalus	
Pileus 2-3 cm, reaching 4 cm in P. compressipes		
Pileus whitish with yellowish disc	P. myceniformis	

Pileus umbilicate

Nolanea helicta

Pileus convex.

pale fuscous

N. cubensis

avellaneous umber to fuliginous striate come up to
drab with chaetura drab disc smooth not umbilicate
apricot buff to light ochraceous salmon striate not umbilicate

N. Aug 24

Pileus flat, hygrophanous

Pileus 4.5 umbonate

Pileus 4.5 buffy citrine disc, margin smoky gray to light grayish olive

Pileus 2.5

N. Aug 26

ornaceous fawn

N. Aug 24

disc verona brown rest pellucid white

N. Aug 24a

Pileus umbonate, umbo saccardo umber, margin Sayal brown

N. Aug 27

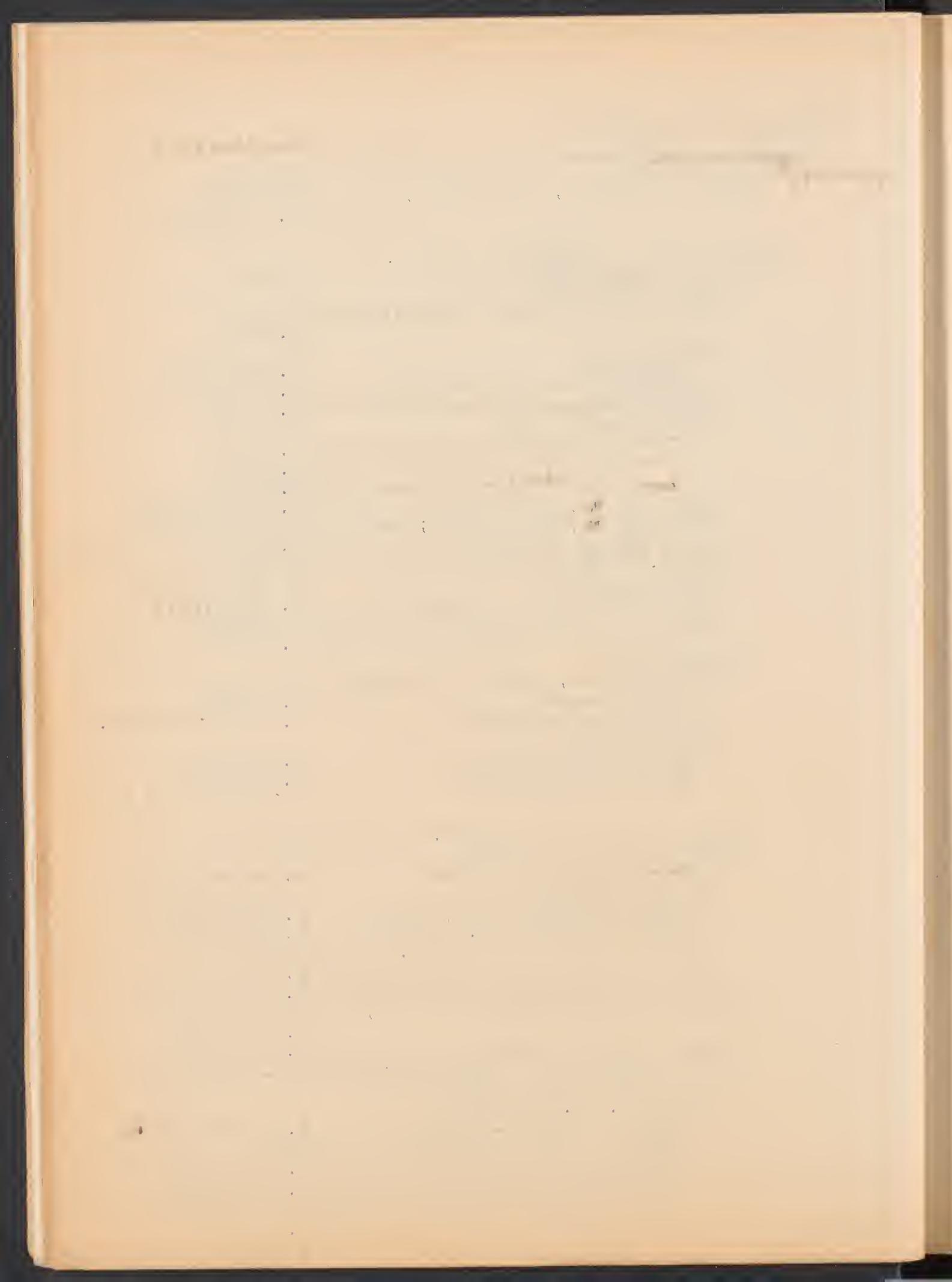
- Pileus rosy isabelline, slightly darker on disc
 Margin striate; stipe compressed $30 \times 2-3$ mm
 Pileus compressipes
 Margin not striate; stipe terete $50 \times 7-3.5$ mm
 P. 5031
- Pileus dark brown or fuliginous rarely varying to olivaceous
 Stipe brownish, 2 mm thick
 Stipe 7 cm P. 5081, 7320
 Stipe 2 cm P. pulverulentus
 Stipe barium yellow P. 5061
 Stipe white
 Pileus glabrous
 Surface striate
 Stipe $3.5 \text{ cm} \times 2-3$ mm P. multistriatus
 Stipe $8.5 \text{ cm} \times 4$ mm P. 5223
 Surface rugose, not striate P. jamaicensis
 Pileus floccose or finely asperate
 Stipe 1-3 cm; pileus fuscous brown or olivaceous
 Stipe 3-4 cm; pileus pale fuliginous to dark chestnut P. nitens 7322
~~Pileus black~~ P. Harrisii 7323
 Pileus black P. 5258
 Pileus 4-5 cm
 Stipe 3-4 mm thick
 Pileus glabrous, smooth
 Pileus margin striate, stipe 10×7 mm gray P. 5030
 Margin not striate, stipe $4-5 \times 3-4$, concolorous P. spinulosus
 Pileus 6-10 cm
 Surface densely floccose, uniformly pale yellow
 Surface minutely fibrillose with pyramidal tufts P. Earlei
 Surface subglabrous, stem white fibrillose 7.5 cm $\times 12-9$ mm P. 7313
 Margin ~~not~~ striate, stem reticulate fibrillose $7 \times 7-8$ mm P. 5065
 Margin not striate, stipe smooth $8-15 \times 7-12$ mm P. cervinus
 Margin not striate, stipe silky 6×8 mm P. 5380
 Pileus velvety, reticulate
 Stipe terete, straw color 4×5 P. reticulatus
 Stipe compressed pink 6×4 mm P. 5029
 Stipe 10 mm or more thick P. rimosus
~~Stipe 5 mm, pileus viscid fibrillose!~~ P. dandalo 7728
 Volva wanting; annulus present over Chameota Broadwayi
 Volva present; annulus wanting Volvaria
 Pileus white or whitish, sometimes darker on disc
 Terrestrial V. Earlei
 Epixyloous
 Pileus 5 cm broad; stipe $3-5$ mm V. jamaicensis
 Pileus 6-10 cm broad; stipe $8-16$ mm V. bombycina
 Pileus dark brown or fuliginous
 Stipe 7 mm thick V. cubensis
 Stipe 10-15 mm thick V. Bakeri

Pileus dark red drying reddish brown gills narrow drying reddish brown
stipe 4-6 x 3-5 Chamaeota Broadwayi

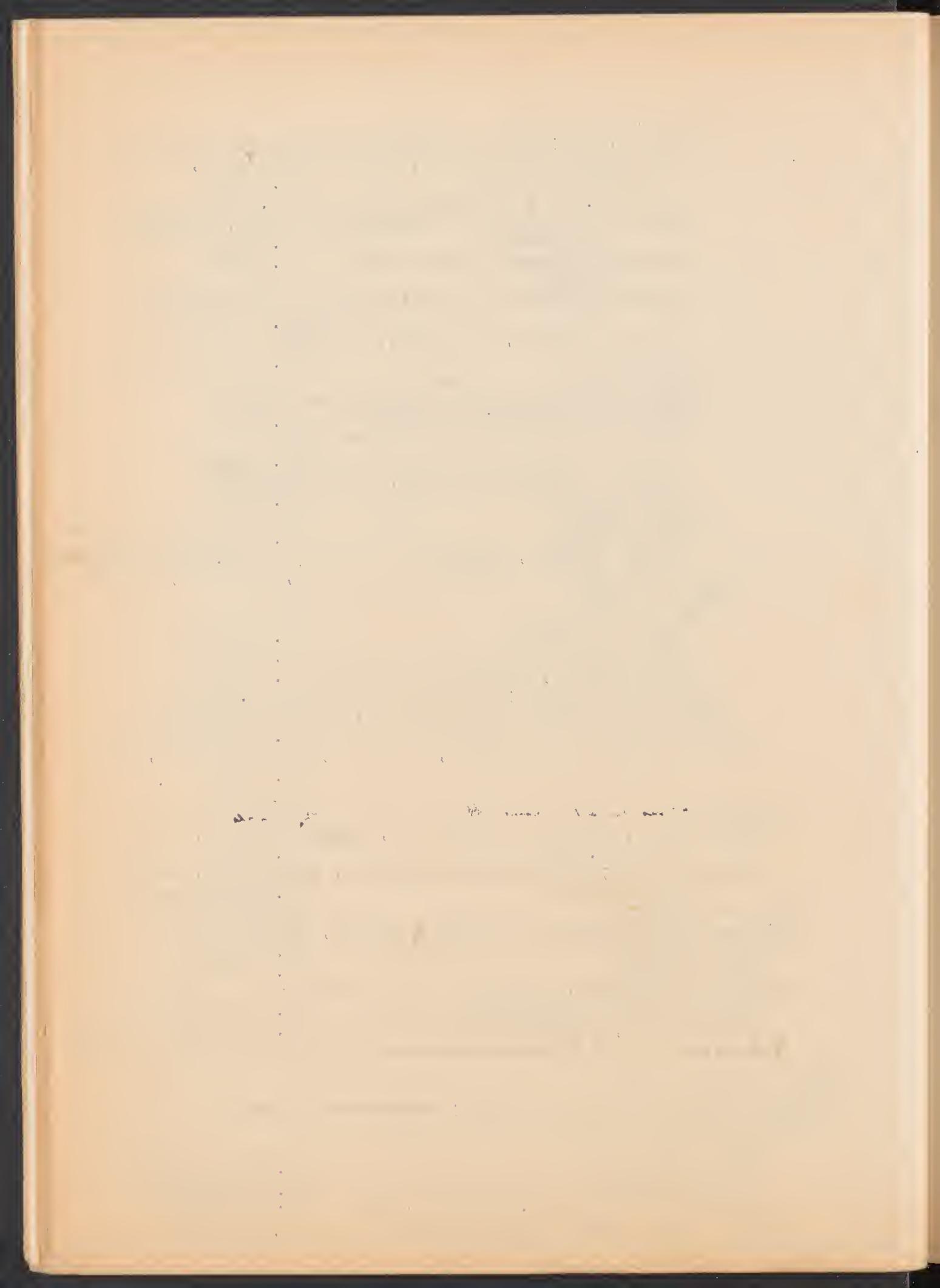
Pileus light tanaceous fawn shading to fuscous disc ^{broad} gills light salmon
orange stipe 9 x 4-9 mm rough C 7665

Spores brown		
Volva and annulus absent		
Pileus irregular, dimidiate or resupinate	Crepidotus	
Pileus 2-10 mm (<i>sealos</i> C. cuneiformis)		
Pileus floccose pulverulent, {pure white	C. parvulus	
Pileus glabrous	{ochraceous tawny	C. ^{gj'0}
Pileus 2-5 mm broad		
Surface russet white or isabelline		
Stipe inconspicuous, fugacious	C. Citri	
Stipe conspicuous, persistent	C. eccentricus	
Surface chrome yellow	C. Dussii	
Pileus 5-10 mm		
Pileus avellaneous or lighter	C. 5554	
Pileus pale ochraceous	C. Psychotriae	
Pileus testaceous to latericious	C. bicolor	
Pileus 1 - 6 cm, sometimes smaller in C. cuneiformis and C. subcuneiformis		
Pileus white or whitish		
Pileus striate on the margin		
Margin very thin, pellucid, becoming dark on drying	C. cinchonensis	
Margin thicker	C. sulcatus	
Pileus not striate on the margin		
Pileus 1 cm broad	C. musaecola	
Pileus 2-3 cm		
Surface with small, brown pyramidal fibrils	C. 4812, 7318	
Surface glabrous	C. fumosifolius	
Pileus 6 cm, viscid, glabrous, edges of gills floccose	C. 5122	
Pileus yellowish, isabelline, ochraceous or melleous		
Pileus about 1 cm broad		
Surface glabrous or nearly so		
Pileus sessile	C. subcuneiformis	
Pileus attached by dark reddishbrown stipe		
Surface squamulose	C. substipitatus	
Pileus 3 cm broad, decorated with minute conic elevations	C. cacaophyllus	
	C. calolepidioides	
Pileus 5 x 3.5 cm, ochraceous buff, minutely tomentose; gills amber brown	C. 5547	
Pileus 6 x 4 cm, fibrillose scaly, disc snuff brown shading to cream buff, sessile, gills decurrent	C. 5129	
Pileus ochraceous red, pulverulent, deeply lacerate	C. laceratus	
Pileus rufous, glabrous, not lacerate, sometimes lobed	C. pyrrhus	
Pileus buckthorn brown, blackening, gills cinnamon buff, thick, crisped, interveined, decurrent	C. 5049	
Pileus clay color 2.5 cm, gills cream buff, sessile		
Pileus pale brown or watery brown	C. 4981	
Pileus 8-12 mm lamellae serrulate	C. cuneiformis	
Pileus 1-2.5 cm; gills not serrulate	C. aquosus	
Pileus clove brown, faintly striate, gills olive brown	C. 5064	
Pileus and gills light pinkish cinnamon; stipe olive buff		
Pileus russet rusty - 3x6 cm gills wld brown stipe none	C. 4982	
Pileus russet straw 2.5x1.5 cm gills flesh pink stipe lateral C. 4915	C. 4916	

Pileus centrally stipitate	
Stipe cartilaginous	
Gills not autolyzing	<i>Paxillus</i> 6137
Gills separate	
Gills decurrent	
gill not sep.	Tubaria
Pileus dark brown, pulverulent; stipe 4 mm thick	
	<i>T. coniophora</i>
Gills adnate or adnexed	
Margin straight and appressed	<i>Galera</i>
Stipe 7-20 mm long	
Pileus 3 mm, tawny to russet; stipe 23 mm	
	<i>G. 5106</i>
Pileus 5 mm	
Epixyloous	<i>G. Martiana</i>
Terrestrial on clay banks	<i>G. echinospora</i>
Pileus 6 mm cinnamon yellow brownish brown stipe concolor	<i>G. 5107</i>
hypophaneus	
Pileus 7 mm anthonomy yellow margin tawny tomentose stipe concolor	<i>G. 5350</i>
cinnamon buff gray clay color faintly streak hypophaneus stipe concolor	<i>G. 5349</i>
cinnamon buff velvety tomentose stipe concolor sub	<i>G. 5377</i>
Pileus 10 mm; gills distant	<i>G. distantifolia</i>
Pileus 12 mm; gills close; mummybrown with echinate	
Pileus 40 groups of fibrils	<i>G. 5516</i>
Stipe 2.5-5 cm subdistant, anthonomy yellow, warm buff with ochraceous tawny stripe of Aug 2	
Pileus cylindric	<i>G. macromastes</i>
Pileus subconic or campanulate	<i>G. Hypni, 73/4</i>
Pileus becoming depressed with margin reflexed	
	<i>G. reflexa</i>
Stipe 8-12 cm	
Pileus 1-2 cm, margin striatulate	
Surface smooth	<i>G. tenera</i>
Surface subsquamulose	<i>G. flocculenta Fr.?</i>
Pileus 2-6 cm	
Margin striatulate	<i>G. crispa</i>
Margin not striatulate	<i>G. mexicana</i>
Margin incurved (see also <i>N. arenicola</i>) <i>Naucoria</i>	
Pileus white or whitish	
Pileus convex 1 cm broad	<i>N. tepeitensis</i>
Surface glabrous	
Pileus convex, 1 cm broad	<i>N. tepeitensis</i>
Pileus umbonate, 2.5 cm broad	<i>N. jalapensis</i>
Surface papulose; pileus 2.5-5 cm broad	<i>N. papularia</i>
Pileus dull olivaceous, 1 cm broad	<i>B. subolivacea</i>
Pileus testaceous with bay umbo, 7 mm broad	
	<i>N. pellucida</i>
Pileus vinosus, 6-8 mm	<i>N. oinoides</i>
Pileus ochraceous, isabelline or fulvous, sometimes	
differently colored on disc	
Pileus 0.7-1.5 cm broad	
Surface glabrous, fulvous	<i>N. hepaticola</i> 5162.
Surface innate fibrillose, isabelline	
Gills pale ochraceous	<i>N. cyathicola</i>
Gills bay-fulvous at maturity	<i>N. corticola</i>
Surface hispid-squamulose, fulvous	
	<i>N. mexicana</i>
	<i>N. 57010</i>



- Pileus 2-5 cm broad
 Stipe 1.5 cm; pileus umbonate ochraceous tawny with cinnamon brown disc, margin not striate, but appendiculate N. 5164
- Stipe 2-2.5 cm, sometimes longer in N. subpectinata
 Pileus ochraceous with subfulvous disc, slightly depressed N. xuchilensis
- Pileus cinnamon brown, convex viscid N. 5083
- Pileus isabelline with testaceous disc, umbonate N. spinulifer
- Pileus fulvous, depressed, striate N. subpectinata
- Stipe 3-4 cm viscid
 Pileus bay to buff, stipe 4-5 mm diam, ^{viscid}
^(Pileus cinnamon buff, stipe 1.5 mm diam n. guly 14) N. 5167
- Pileus alutaceous, stipe 2 mm diam N. Earlei
- Pileus ochraceous orange, stipe 2 mm diam
^{Pileus warm buff stipe 2-3 mm N. J. 28} N. 5011
- Stipe 4-8 cm
 Gills close N. semiorbicularis
- Gills distant, fuscous v. costaricensis 6/32
- Pileus some shade of umbrinous or brown, glabrous, 1-2 cm
- Stipe 1-2 mm
 Pileus umbonate
 Margin striate N. montana
 Margin not striate N. 5165
- Pileus convex, margin not striate N. Sacchari
- Pileus depressed; margin not striate N. 5159
- Stipe 3 mm thick, pileus conves, margin not striate N. underwoodi
- Pileus auburn with conical, bay umbo, margin striate, 4 cm N. 5009
- Gills free Pluteolus
 Pileus 2 cm, umbonate fibrillose, Brussels brown, stipe 4 cm x 2.5 mm P. 5111
- Pileus 3-4 cm; not umbonate, glabrous, isabelline, stipe 10 cm x 5 mm P. jamaicensis
- Gills autolyzing Bolbitius
 Pileus flavo-melleous or sulfur yellow, tawny on disc
 Stipe glabrous B. jalapensis
 Stipe villose B. villipes
- Pileus avellaneous, brownish on the disc
 Pileus 12 mm; stipe 6 cm B. brunneidisca
 Pileus 2 cm; stipe 2-4 cm B. mexicana
- Pileus ~~japan rose~~ to flesh color margin pileus 1.5-2 cm stipe 3-4 cm B. 7306
- Stipe fleshy to woody
 Gills adnate to short decurrent; epiphytic Flammula
 Terrestrial
 Stipe 2-4 mm thick
 Pileus dry F. hypholomoides
 Pileus viscid F. carbonarius
 Stipe 6-8 mm diam 2-2.5 cm long, dry F. ricensis
 Stipe 10 mm diam, 8 cm long, dry F. jalapensis



Epixyloous

Pileus glabrous

Pileus amber brown to antique brown, slightly umbonate
stipe 18 x 6 mm Flammula 5172

Pileus yellow-olive; stipe 1.5 cm F. olivaceus

Pileus yellowish orange to greenish; stipe 4-7 cm

F. aureoviridis

Pileus melleous, ochraceous or luteous, stipe 3-5 cm
F. flavidellus

Pileus ferruginous to fulvous; stipe 4-6 cm

F. chrysotrichoides

Pileus ferruginous vinous; stipe 2.5-3 cm

F. helvoliceps

Pileus red tinged with vinous; stipe 3-4 cm

F. vinicolor

Pileus fibrillose to squamulose, sometimes becoming more
or less glabrous in age

Pileus goldenyellow

Stipe 1 cm, gills adnexed F. 5521

Stipe 2-5 cm

Tawny maculate, mustard yellow up to 2 cm; stipe
3 cm, slender F. 4642.7233

Not maculate 2.5-4 cm; stipe 2.5 cm x 8 mm

Not maculate, russet to antimony yellow; stipe
13¹/₂ cm x 7 mm 17¹/₂ F. chrysotrichus

Not maculate, antimony yellow stipe 4.5 x 4-3 mm zincorange F 7306

Stipe 8 cm long Gills decurrent F. chrysopella
Gills adnate F. aureobrunnea

Pileus pale yellow to ferruginous orange

Pileus about 1 cm, umbilicate, umbonate, stipe xanthin
orange to zinc' orange F. 5520

Pileus 2-4 cm, rarely reaching 6 cm

Pileus umbilicate or depressed

Stipe 2-2.5 cm F. hispidus, 7650

Stipe 3-5 cm F. palmicola

Pileus convex to expanded

Stipe 2-4 cm F. angustula

Pileus amber brown 13¹/₂ F. 5169Pileus auburn 11¹/₂ F. 5179

Pileus raw sienna 17 F. 5181

Pileus ochraceous 17'

Taste mild F. pholiotoides

Taste bitter

Margin striate F. parvulus

Margin not striate F. hispidellus

Pileus ferruginous 9¹/₂ F. bryophilus

Pileus ferruginous orange F. subpenetrans

Pileus chestnut 9¹/₂ F. 5176

Stipe fat 4-7 cm long

Pileus ochraceous 17' F. Nashii

Pileus pale ferruginous F. Earlei

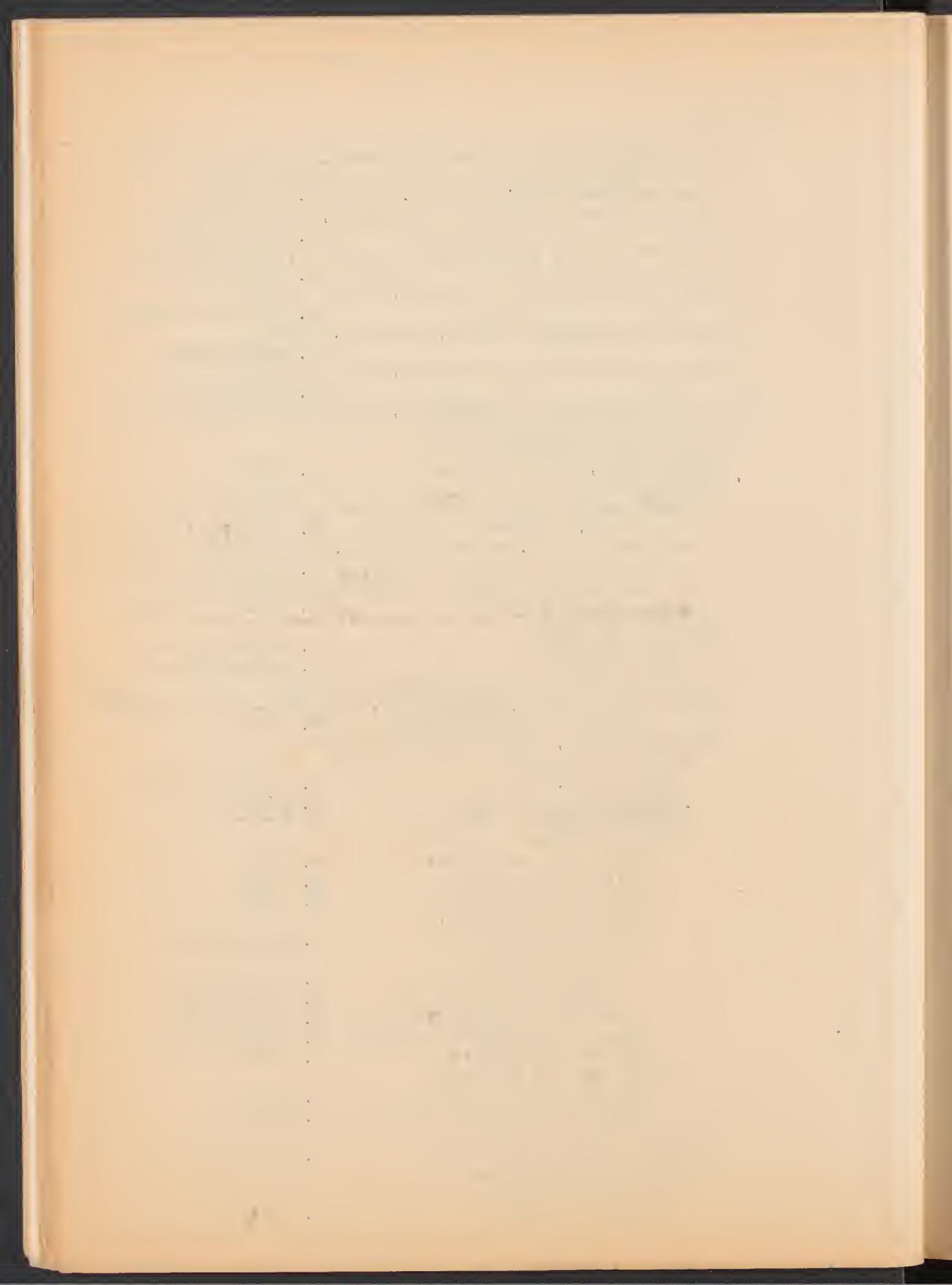
Pileus 6-10 cm broad

Pileus deeply depressed F. depresso

Pileus not depressed

Gills decurrent

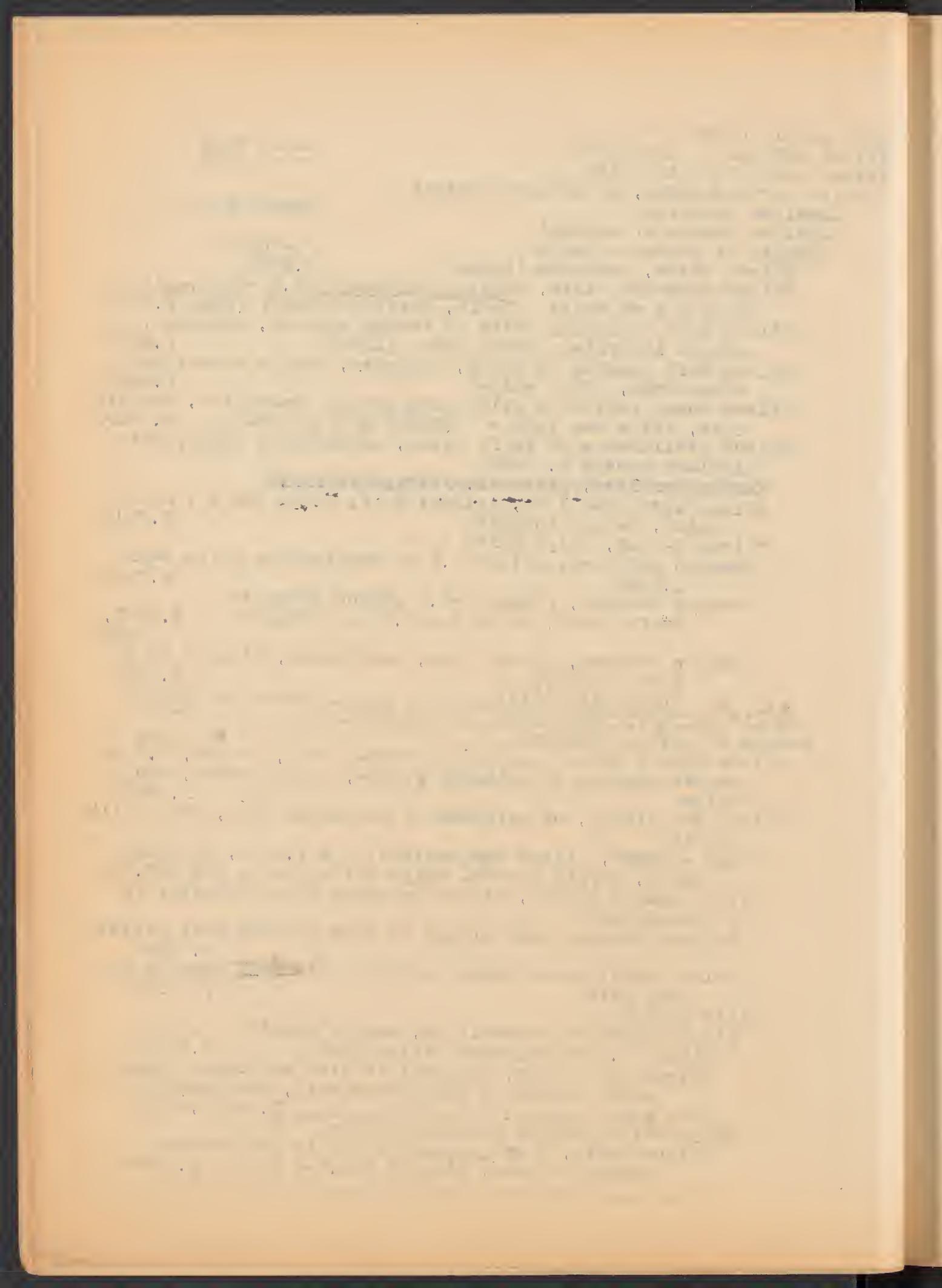
Stipe 4-6 x 5-8 F. tenuis



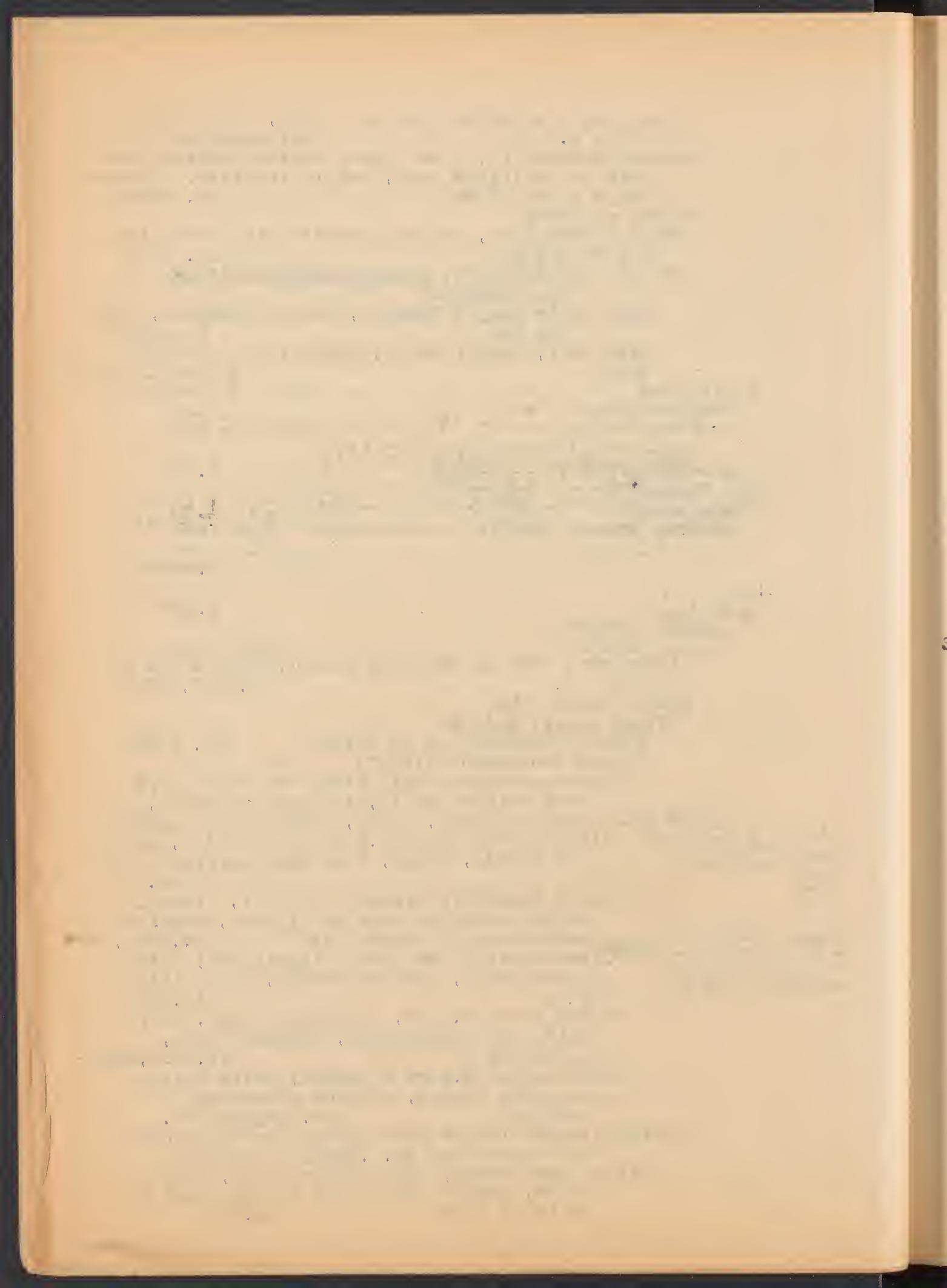
Stipe 2.5 cm x 5 mm	Flammula 5177
Gills adnate	F. areolatus
Pileus fulvous 13' i	F. penetrans
Pileus latericioius 5' x	F. lateritia
Gills sinuate or adnexed, terrestrial	Hebeloma
Pileus glabrous and viscid	H. broadwayi
Pileus white or pale isabelline	H. cinchonense
Stipe 2-4 mm diam	H. subtestaceum
Stipe 7-10 mm diam	H. subincarnatum
Pileus pale testaceous, scarcely 1 cm diam	H. cubense
Pileus incarnate isabelline, 2-2.5 cm diam	H. 5405
Pileus chestnut brown	H. 5405
Pileus mummy brown to dresden brown with white margin 8-10 cm diam	H. 6128
Pileus isabelline shading to cinnamon buff 3 cm	H. 6128
Volva absent; annulus present	Pholiota
Stipe glabrous, fibrillose	P. cubensis
Pileus large 3-12 cm; tawny to cinnamon brown	P. Brittoniae
Stipe pale yellow, 3-6 cm x 3-10 mm	P. 4647
Stipe soon blackening, 10 cm x 1-3 cm	P. 5378
Pileus much smaller, up to 4 cm.	
Pileus 3 mm; pale avellaneous; stipe 5 cm x 4 mm, white	
Pileus 5 mm to 4 cm	
Pileus white or isabelline; stipe concolorous or slightly lighter	
Pileus 0.5-2 cm; stipe 2 x 1-2 mm	P. bryophila
Pileus 1-3 cm; stipe 4-7 cm x 2-3 mm	P. Broadwayi
Pileus pale fuscous to tan, 1-4 cm; stipe white, 4-6 cm x 3-6 mm	P. Musae
Pileus ochroleucous to ochraceous, 1.5 cm; stipe 1.5 cm x 1 mm	P. cinchonensis
Pileus cinnamon buff to ochraceous orange, 0.5 - 2 cm; stipe 2.5-5 x 2-4 mm	P. unicolor
Pileus reddish brown, 0.8-1.5 cm; stipe 2-3 cm	P. martiniicensis
Pileus vinaceous cinnamon, 2.5 cm; stipe 3.5 cm x 3-5 mm	P. 5372
Insert July 13, '14	Hypodendron
Stipe squarrose scaly	H. 5253
Volva present; annulus absent	Locellina July 28
Volva present; annulus present	Rozites

S

- 16
- Spores purple brown
 Pileus lateral or excentric
 Pileus centrally stipitate
 Stipe cartilaginous, no annulus present
 Lamellae decurrent
 Lamellae adnate or adnexed
 Margin of pileus straight
 Pileus white, umbonate (1300m)
 Pileus brownish olive, shading to chamois 3.5 - 4 cm, stipe
 6 cm x 4 mm white (conic, margin striate) (40m) P. 7276
 Pileus buff or chalky white to fusous margins, expanded,
 margin lacerate, broad umbo (1300) P. 4723
 Pileus buff shading to white, expanded, margin substriate
 broad umbo, stipe white P. 5593
 Pileus honey yellow to olive lake margin isabelline, umbili-
 cate, stipe wax yellow (2250) cf. *P. pseudotener* P. 5102
 Pileus avellaneous to buffy brown, expanded to hemispheric
 lowland except P. 5105
 Margin inrolled, pileus 1.5 cm avellaneous stipe 4-5x
 1.5 mm P. 7230
 Margin striate, pileus 1-1.5 cm wood brown to
 buffy brown, stipe 2 x 0.5 mm umbonate P. 7292,
 7638
 Margin unknown, pileus 2 cm, wood brown, stipe 3 cm x
 2 mm (2100) P. 5105
 (See also 4811)
 Pileus yellowish fuscous 1.2-1.6 cm long conic stipe pale yellow *P. bulbillosum*
 Pileus yellow 4-6 mm stipe very slender with flat base 2 cm *P. epibates*
 Margin of pileus incurved *Psilocybe*
 Pileus viscid under squamose universal veil, convex, 3.5 cm
 russet shading to antimony yellow; stipe russet, shaggy
 below P. 5160
 Pileus not viscid, no evidence of universal veil, stipe silky
 smooth
 Gills adnexed, pileus campanulate, 2 x 1.2 cm, shining
 white, margin smooth, stipe white 8 cm x 3-4 mm P. 5529
 Gills sinuate adnate, pileus expanded stipe concolor or
 nearly so
 Pileus gibbous zinc orange to pale pinkish buff velvety
 P. 4733
 Pileus umbilicate, honey yellow to old gold shading to
 old gold P. 5102
 Gills adnate
 Stipe concolor or nearly so, margin smooth
 Pileus 0.7 cm expanded tilleul buff P. 7278
 Pileus up to 4 cm, campanulate disc meruliod, ochra-
 ceous orange to ochraceous buff, subtomentose
 Pileus up to 3 cm convex dry smooth anchovy yellow margin dull olive P. 4732, 4736
 Stipe white, margin usually striate
 Pileus conic, 4 cm chestnut brown to avellaneous
 margin striate; stipe 8 x 2.5-3 mm P. 5082
 Pileus campanulate 12 mm light buff to light drab, margin striate; stipe 6 cm x 1 mm
 P. 9714

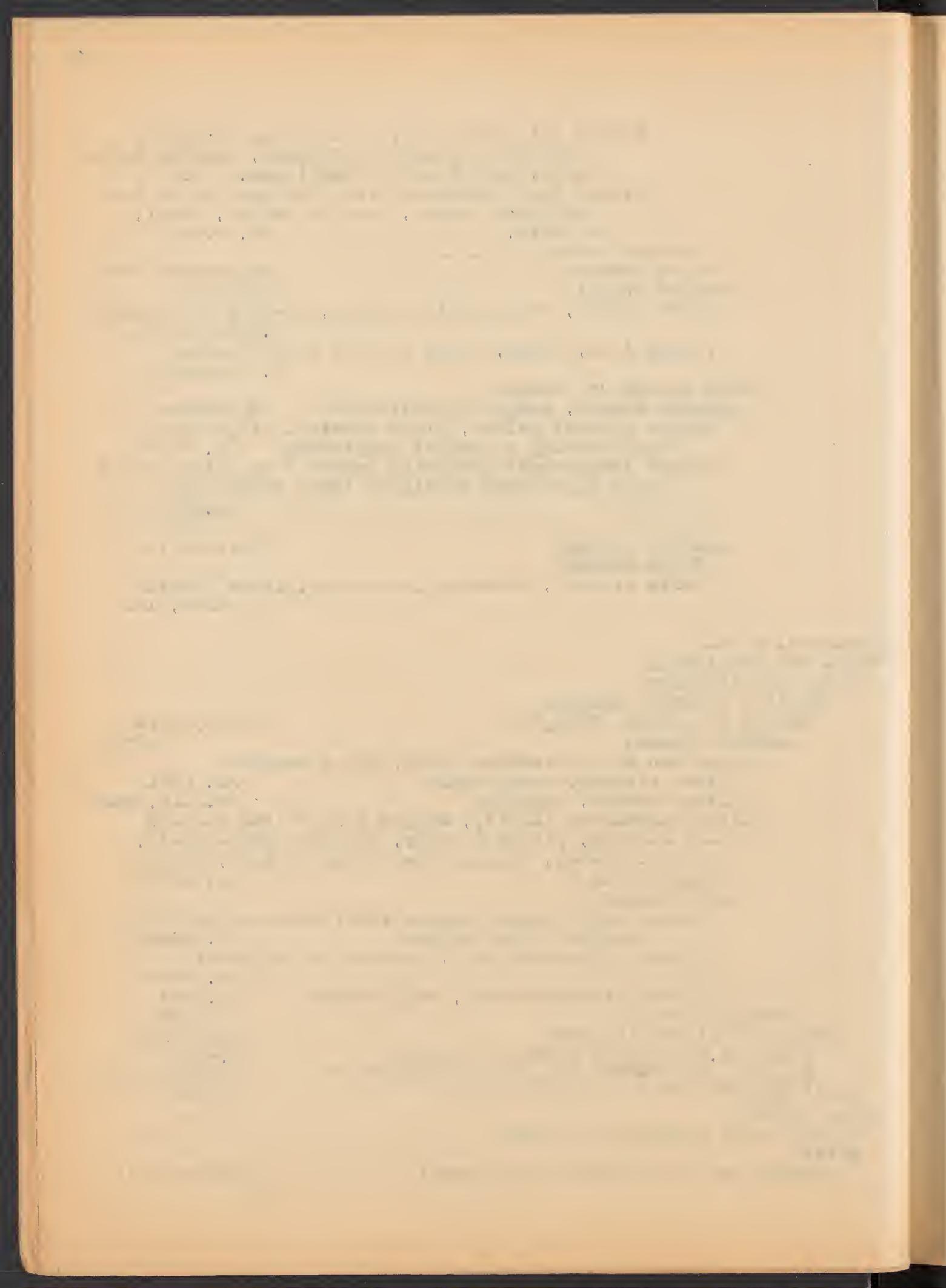


- Pileus conic expanded 2 cm raw umber, margin striate
stipe 2.5 x 2 Psilocybe 4986
- Pileus hemispheric, 3 cm honey yellow shading cream
buff to cartridge buff, margin lacerate, striae
stipe 4 cm x 3 mm Ps. 4984
- Pileus expanded
Pileus tomentose, margin lacerate stipe more than
5 cm x 4 mm Ps. 4811
- Pileus not tomentose, margin ~~lacerate~~
hydrophanous
Disc white margin fuscous, margin lacerate, stipe
2 x 3 mm Ps. 4723
- Disc buff, margin white, substriate Ps 5593
gray
- Gills free
annulus absent 4 cm
Pileus dark brown stipe 3 x 3 Pilosace 4815
or n.g.
- Pileus gray brown 2 cm stipe 6 x 1.5
annulus present 4 cm; stipe 7 x 3-6 mm P. 7279
- ~~stipe fleshy~~ Pileus warm buff & ~~occultaneous~~ 7 x 4-6 P. 515
Gills adnate warm sepiate brown 3 cm stipe 4 x 3-4 P. 515a
Annulus absent, margin appendiculate Hypoloma 1
annulus present Nevermannia H. 5407
- ~~Stipe fleshy~~
~~gills free~~
Annulus present
volva absent Psalliota
Pileus more than 10 cm honey yellow, stipe 13-20 mm
thick Ps. 5157, 7672
- Pileus under 7 cm
Stipe thick, 5-10 mm
Pileus Etruscan red or darker Ps. Aug 24
Pileus ochraceous (15-17) Ps. 4753
- Pileus ochraceous buff disc warm buff stipe
warm buff to white, tapering downward,
annulus broad, thick, single Gte Ps 6957
- Pileus prouts brown 5.5 cm stipe white, annulus double, broad, bulb flat margined S.J
Ps. 5376
- Pileus buckthorn brown or lighter, viscid,
stipe grenadine pink or lighter, annulus
membranous to black Gte Ps. 6955, 7654
- Pileus subbuckthorn brown or light
subvised stipe silvery French green to light
Dumbgreen Ps. J. 1.
Pileus sepiia, 4 cm rimose fibrillose; stipe
equal white, annulus double, broad thick
S.J. Ps. 5027
- Pileus brown 6.5 cm, tomentose scaly, stipe
white tapering upward, annulus thick,
spreading Ps. 4816, 4498
- Pileus umber 8.5 cm squamose, stipe white
tapering upward, annulus evanescent
Antilles Ps. jejunus Fr.
- Stipe slender 1-4 mm more or less cartilaginous
low elevations (n.g.) margin striate
- Pileus wood brown, disc darker 4 cm, stipe
white, annulus narrow to medium erect 4
cm below apex Ps. 7285
- f. Nevermannia*

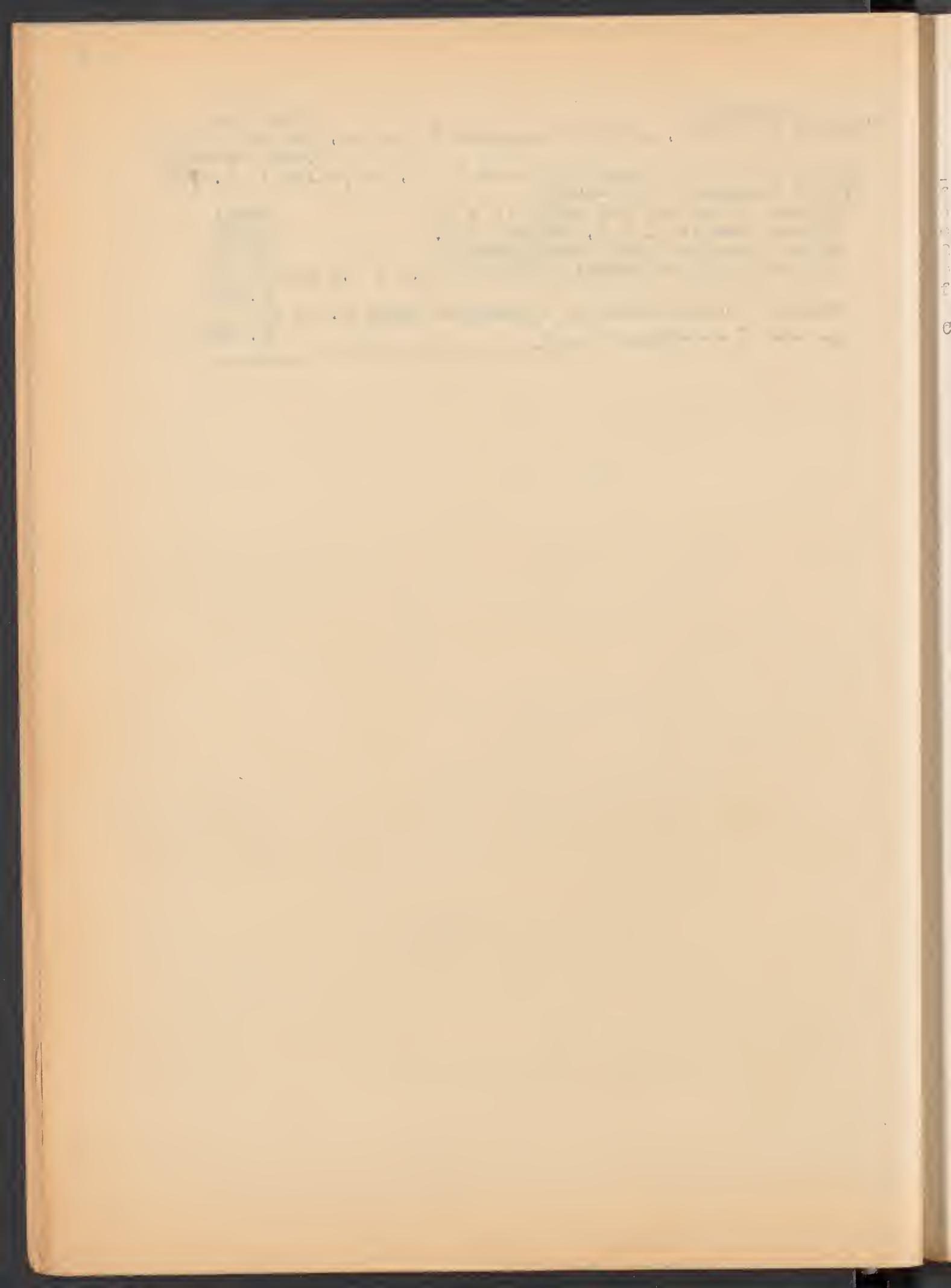


Pileus pale ecru drab, disc orange vinaceous 4 cm stipe vinaceous cinnamon, annulus broad white, bulb 6 mm	<i>Paalliotex</i> 7235
Pileus light cinnamon drab disc warm sepia 2cm stipe warm sepia, annulus narrow, erect, no bulb.	Ps. 7294
Wercle reports <i>campestris</i> + <i>arvensis</i>	
Volva present	Clarkeinda 5336
Annulus absent	Pilosace
Pileus 10 cm, stipe yellow rufous, 12-15 x 6-8 fuscous	<i>P. tricholepis</i>
Pileus 5 cm, white, stipe white 5 x 4-6 bulbous	<i>P. hololepis</i>
Gills adnate or adnexed	
Annulus absent, margin appendiculate	<i>Hypoloma</i>
Pileus apricot yellow, gills adnexed, stipe light buff shading to russet compressed	H. 5407
Pileus tawny shading to buffy yellow 3 cm gills adnate stipe light buff shading to tawny fibrillose	
Pileus deep cinnamon shading to white 7 cm gills sometimes adnexed	H. 5243 var. 1
Annulus present	<i>Stropharia</i>
Volva absent	
Volva present, becoming gelatinous, pileus viscid	-----5570, 5160

Spores coal black	
Gills not autolysing	
Stipe cartilaginous	
Lamellae adnate or adnexed	
Margin of pileus straight	<i>Psathyrella</i>
annulus absent	<i>P. regalis</i> <i>P. hispida</i>
Pileus and stipe becoming black; gills adnate	
Pileus villose, broad conic	Ps. 5131
Pileus smooth, expanded	Ps. 5118, 7648
Pileus ochraceous (15-17), margin more or less striate	
Gills adnexed, pileus velvety, expanded campanulate, disc cinnamon, margins wood brown to drab, stipe whitish 5x 2	Ps. 4997
Gills adnate	
Pileus buffy brown, innate fibrillose hemispheric margin appendiculate	Ps. 4644
Pileus ochraceous buff, membranous campanulate	
Pileus warm buff, hemispheric Ps. 5113	Ps. 5085
Pileus vinaceous fawn, campanulate	Ps. 7694
Annulus present	? 6135
Margin of pileus incurved	<i>Panaeolus</i>
Pileus 1.6 cm buffy brown stipe drab	P. 4644
Pileus areolate speckled white stipe white yellow below	<i>P. Phalenarum</i>
Gills free pale yellow stipe pale rufous	P. <i>campanulatus</i> ?6954
Stipe fleshy	
Gills adnate no annulus present	
Gills	
Annulus and gelatinous volva present	Iglesias 5371



Gills autolysing	Coprinus
Pileus all white, lacerate squamose 6 x 20 cm, stipe 37 x 20	
	C.comatus?4953
Pileus white with isabelline disc 3 x 2, stipe 11x 4	C.7725
Pileus ochraceous (15'-19")	
Pileus isabelline 4x5 stipe 15 x 5	C7661
Pileus chamois, 1 x 1, stipe 3 x 2.5	C5059
Pileus dresden brown toavellaneous	C5060
Pileus buckthorn brown to warm buff 1.5 x 1.8 stipe 2-4	
	C.5109
Pileus cinnamon brown to ochraceous tawny 3.5 x 3	
see also C.armillaris C.sphemerus, C. plicatilis, C.sporatic 12	C. 5388



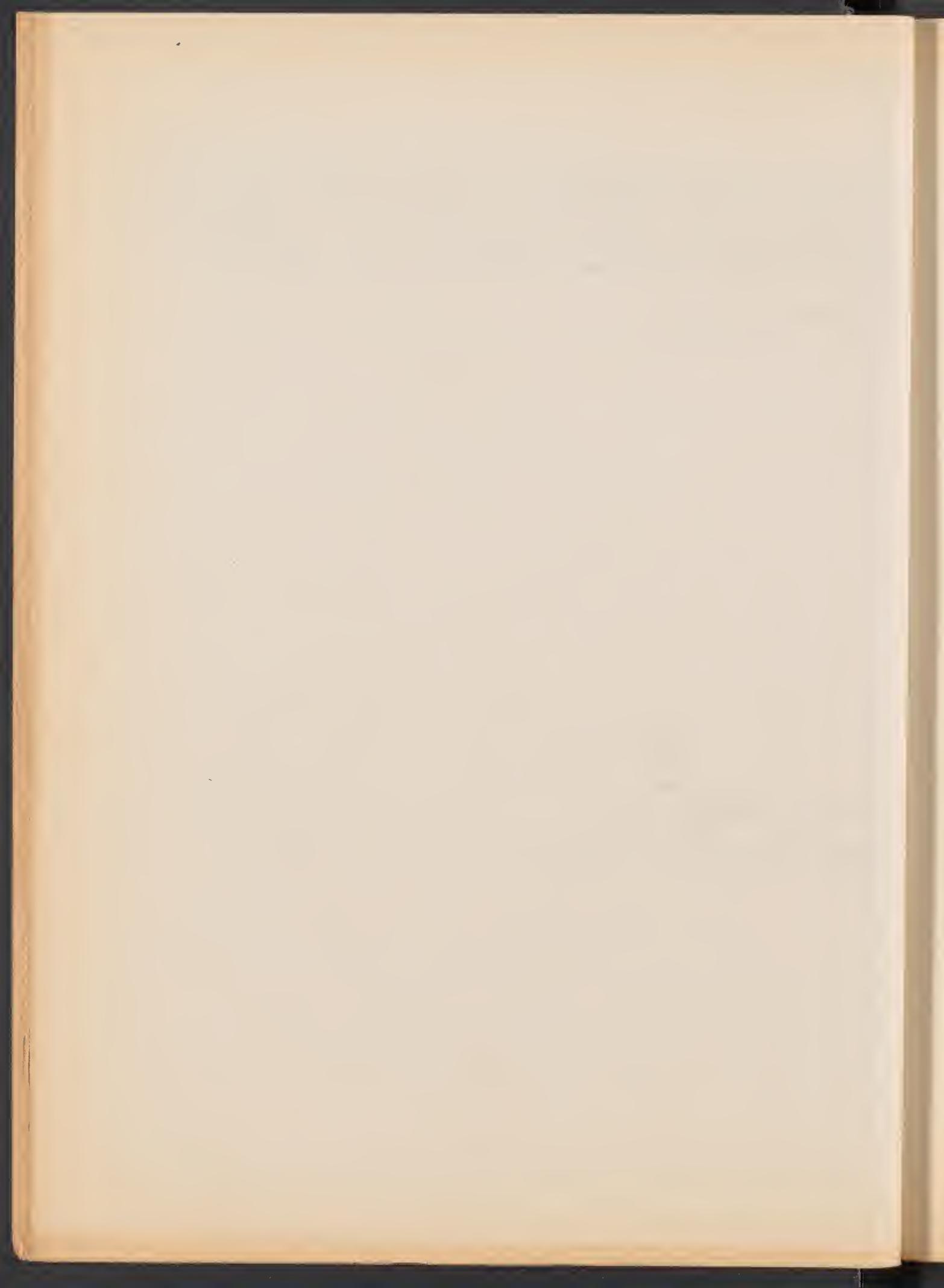
Lanitis

Lid cap nul to 1.5 c., diam. 1 c., thick, surface minutely scaly fibrillose. Volva beneath stem 1 cm. loosely cottony involving bits of trash and fungi. Disc cream buff with brick redish minute veins margin cartridge buff. gills narrow free crowded white; stipe 4cm. 1.5-3mm. tapering upward ring erect regularly dentate later to pruinose minutely guttulate above ring below minutely scaly with brick red fibrils.

Castilla 7-27-36

Species inquirendi

Costa Rica Litoral Prov. Castilla 7-8-62 20M
Dodge - Goergen



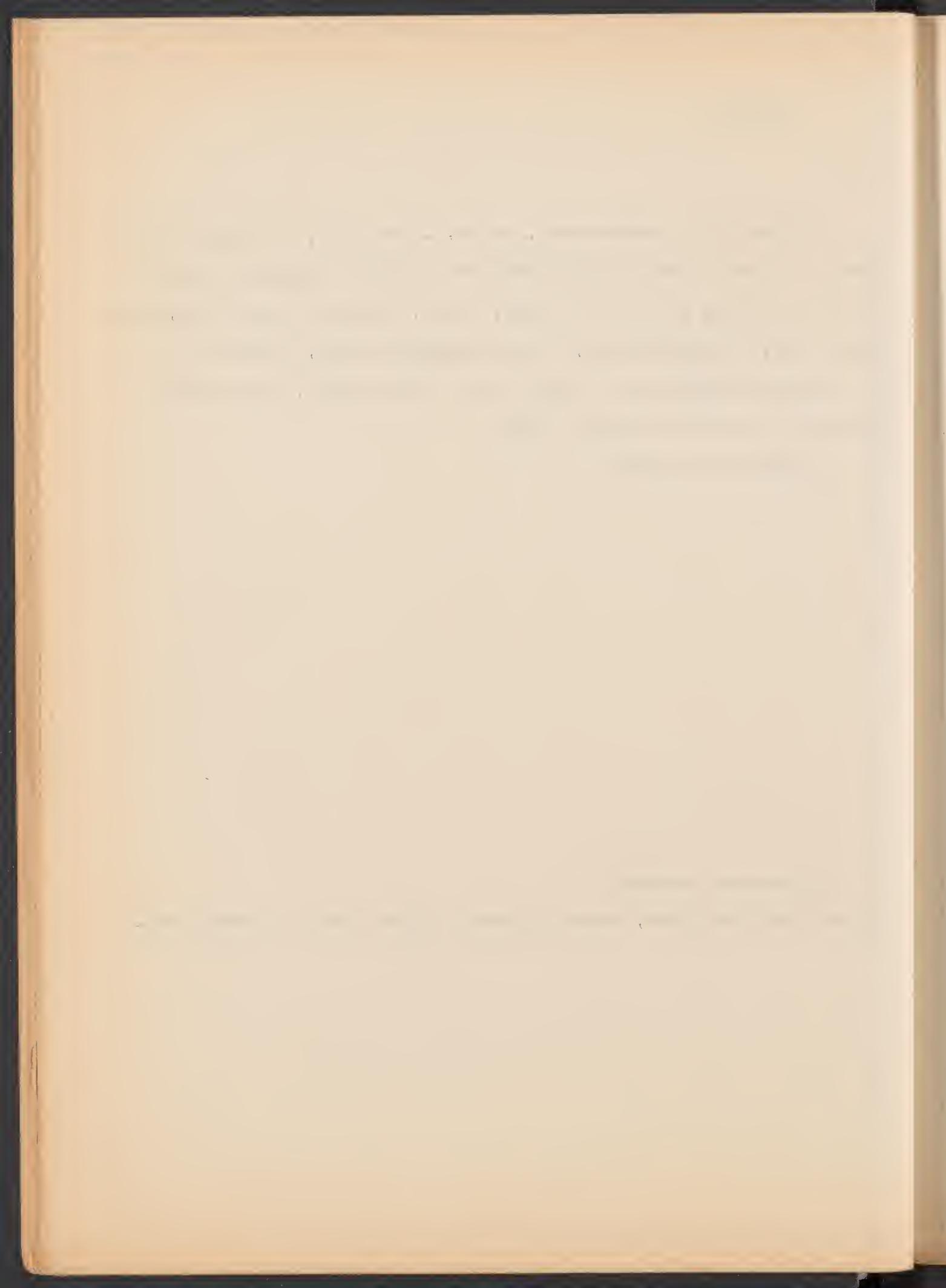
Amanita

Pileus conic campanulate, white, 12 mm diam, cottony universal veil quite uniformly distributed over surface; margins slightly inrolled, thin; gills close free, white, annulus thick erect; stipe 24 x 2 mm, tapering upward, bulb flattened above, covered with a cottony universal veil which has a very cottony, evanescent free margin on outer edge of bulb.

On bank on roadside

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2200m Dodge & Thomas 5001



Amanita

Pileus conic, 11 mm diam, white, minutely fibrillose squamose with torn remains of universal veil; volva membranous involving particles of soil on its outer surface; gills free, narrow, crowded
cm bulb 6 mm
white; stipe 2.5 x 2 mm, spherical, smooth, silky; annulus narrow erect with a few particles of soil clinging to it.

Bank by roadside

Specimens examined;

Costa Rica: San Jose, Rancho Redondo, 2250 m. Dodge & Thomas 5088

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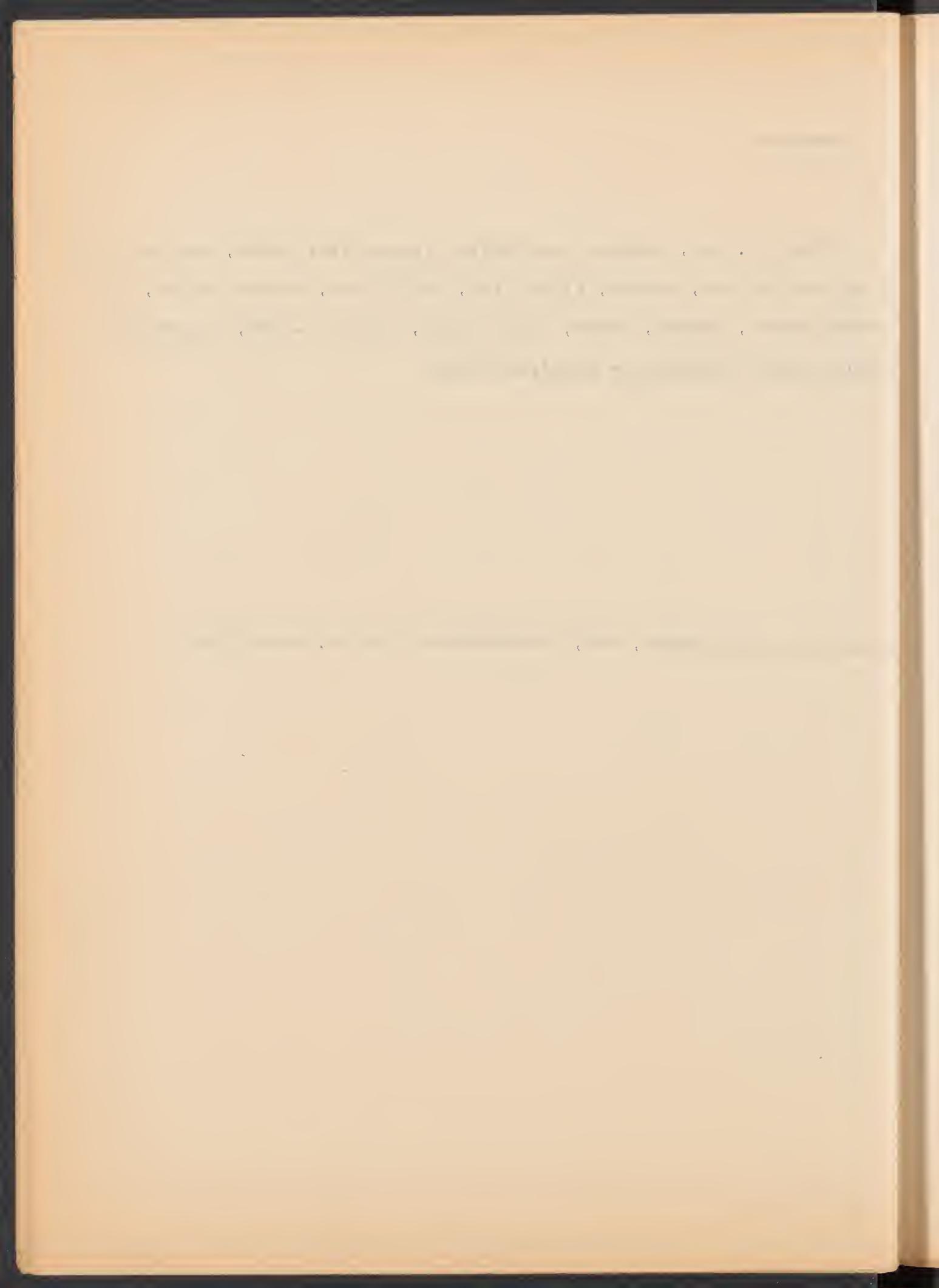
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Amanita

Pileus 2.5 cm, convex, pure white, innate fibrillose, margin slightly apprendiculate, smooth; gills free, ventricose, crowded white, ring inconspicuous, narrow, erect; stipe white, 6 cm x 2-3 mm, tapering upward bulb flat with marrow marginal volva

Costa Rica: Puntarenas, Osa, Estero Sandalo 5-20 m. Dodge 7673



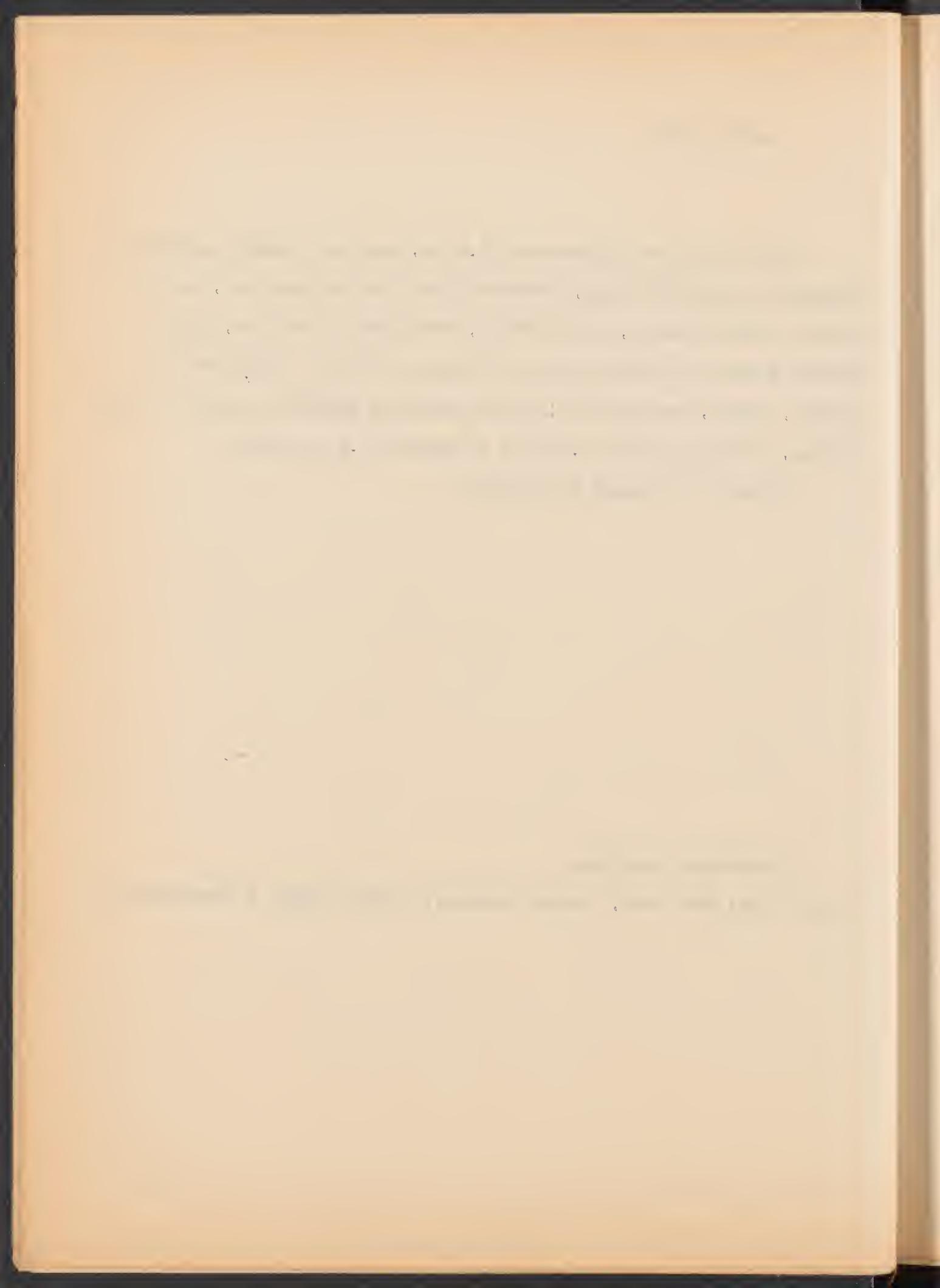
Armillaria

Pileus expanded depressed, 8.5 cm, margin crenate ~~in gromlled~~
somewhat lacerate in age; surface fibrillose squamulose, sayal
brown to snuff brown, flesh white, thin except on disc; gills
walnut brown to carob brown, decurrent by line to ring which is
narrow, thick, concolorous; stipe tapering downward concolor with
pileus, fleshy fibrous 5.5 cm x 2 cm above 1.5 cm below

In bare soil banks by roadside

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2250 m Dodge & Thomas 5285



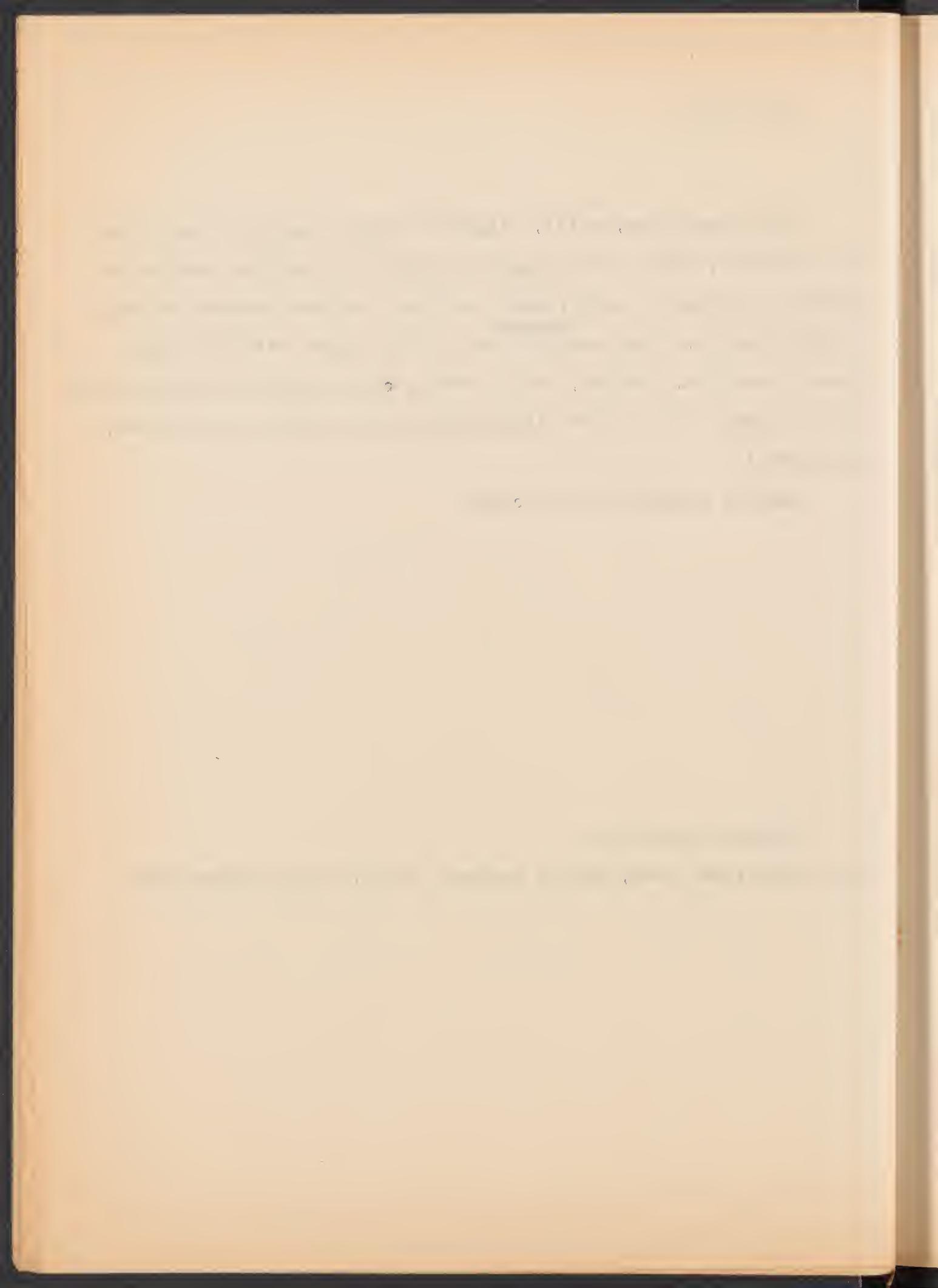
Armillaria

Pileus expanded, moist, slightly viscid(remains of universal veil present, since soil clings to stipe from position occupied by margin of pileus to end) russet, slightly lighter arround faintly striate margin; flesh thin on disc except gills adnate with decurrent line to annulus, pinkish, medium width, close, regularly interveined stipe fleshy, 3 cm x 8 mm, innate fibrillose, annulus fibrillose, persistent

Bank by roadside among mosses

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2500m, Dodge & Thomas 5133



Armillaria

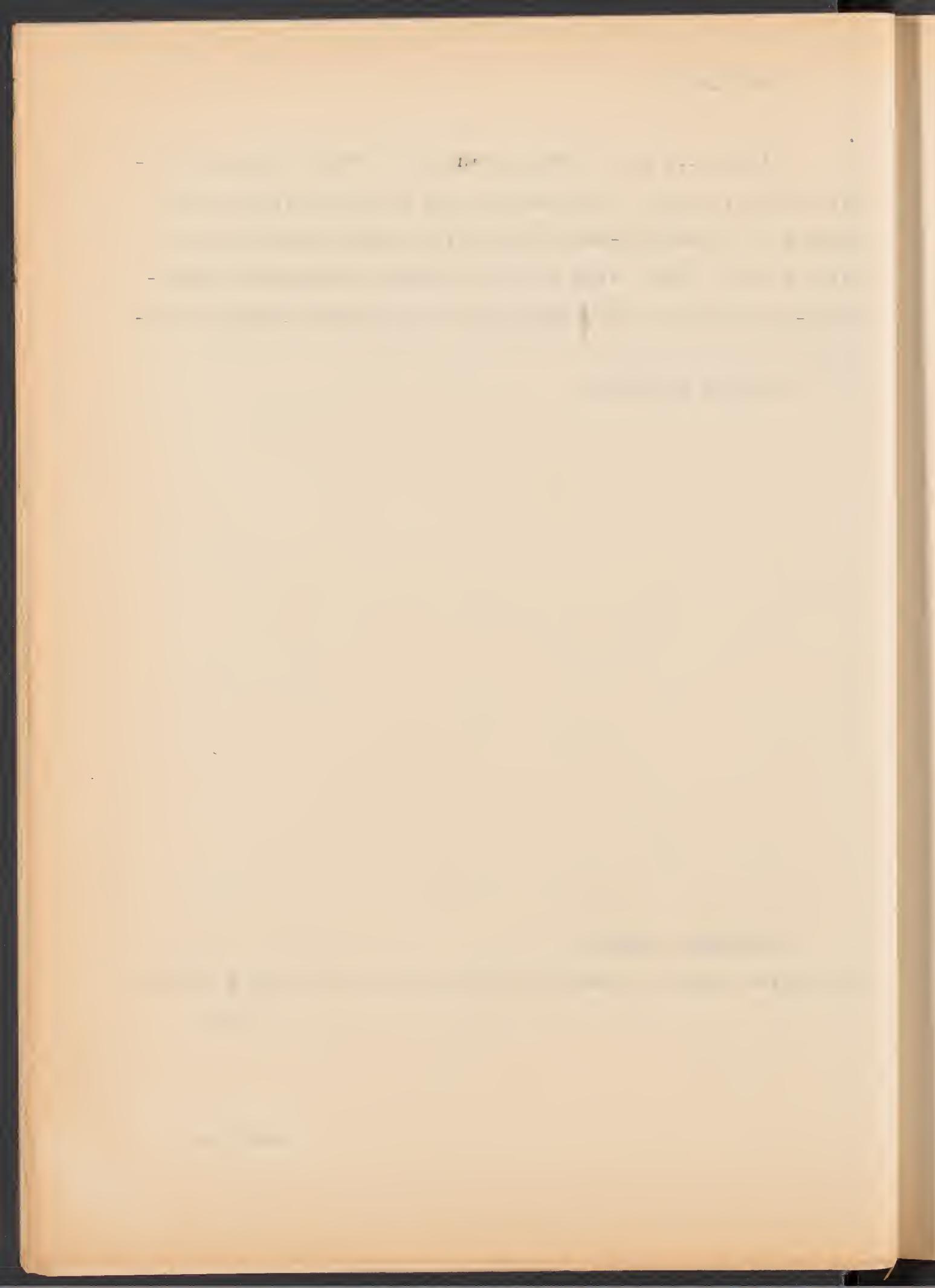
Pileus 1.5 cm., surface ~~pruinose~~ to very slightly verrucose, scaly, margin thin, appendiculate with volva; warm buff, shading to ochraceous-tawny disc; gills adnate, close, white; stipe 3 cm. # 3 mm., warm buff, fibrillose above; annulus ochraceous-tawny above, below ~~verrucose~~, scaly, scales floccose at annulus.

Bank by roadside

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 220, Dodge & Thomas

5135



Armillaria

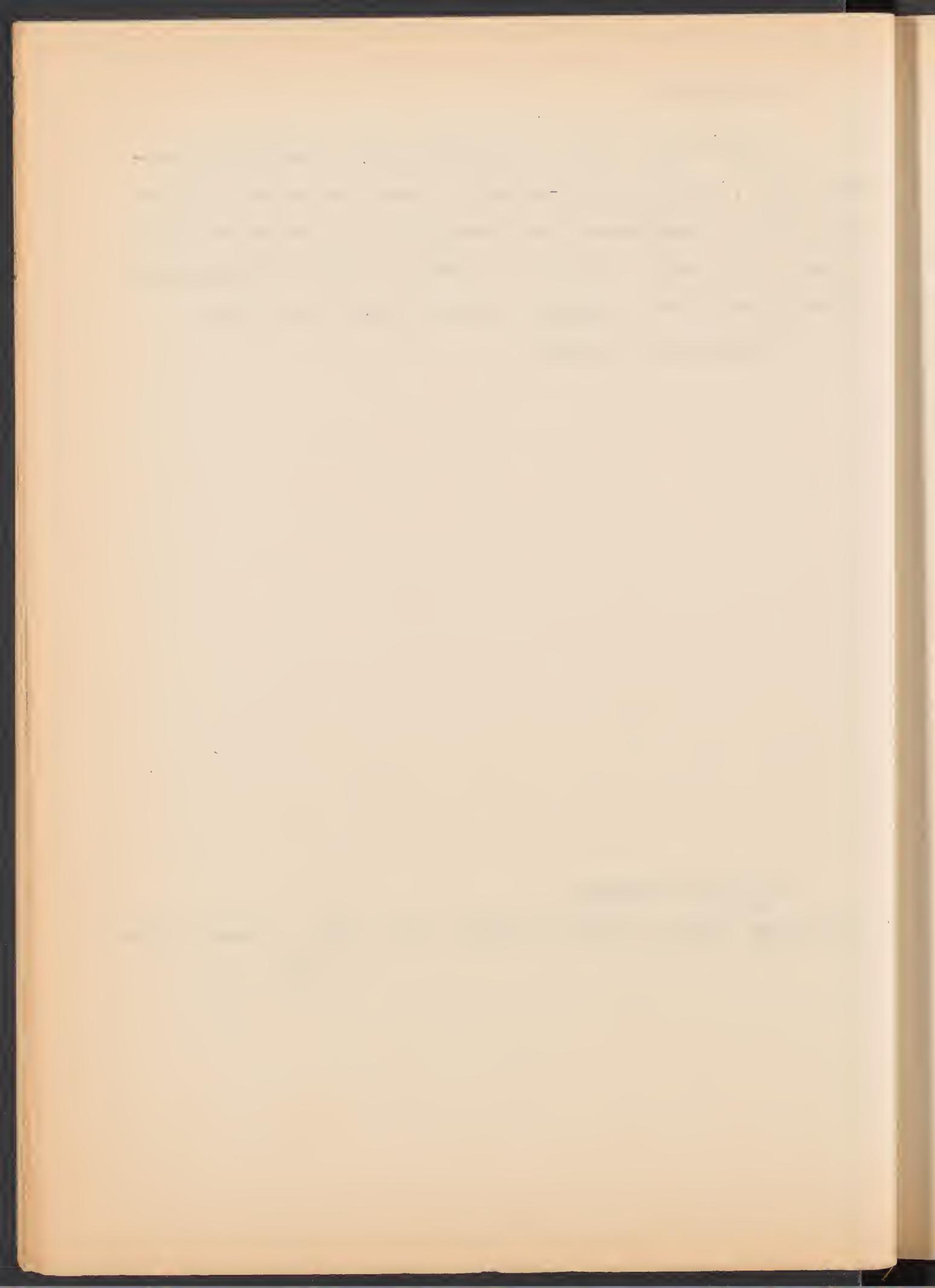
Pileus flat, 5 cm. with slight conical umbo, disc pyramidal, scaly, margin striate-sulcate, flesh thin, except on disc; gills white, ventricose, pink decurrent by a line, edges darker, close; stipe spongy, fleshy with fibrous cortex, cottony below; somewhat evanescent annulus, ending in bulb, 2 cm. # 5 mm.

Mossy bank of roadside

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2500 m. Dodge & Thomas

5235



Armillaria
Lepiota

Pileus hemispheric, margin thin, unrolled, appendiculate up to 7 mm. diam, surface pyramidal, warts like Elaph. variegatus but much finer, antimony yellow, flesh, medium thickness, a little lighter than surface; gills close, white, ventricose, sinuate-adnate; ring like Cortinarius but thicker; stipe tomentose above, ring below with warts like pileus, but larger and of looser texture, 2 cm. # 12 mm. above ring, 2 mm. below, ending in slight bulb

Bank of roadside

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250 m. Dodge & Thomas

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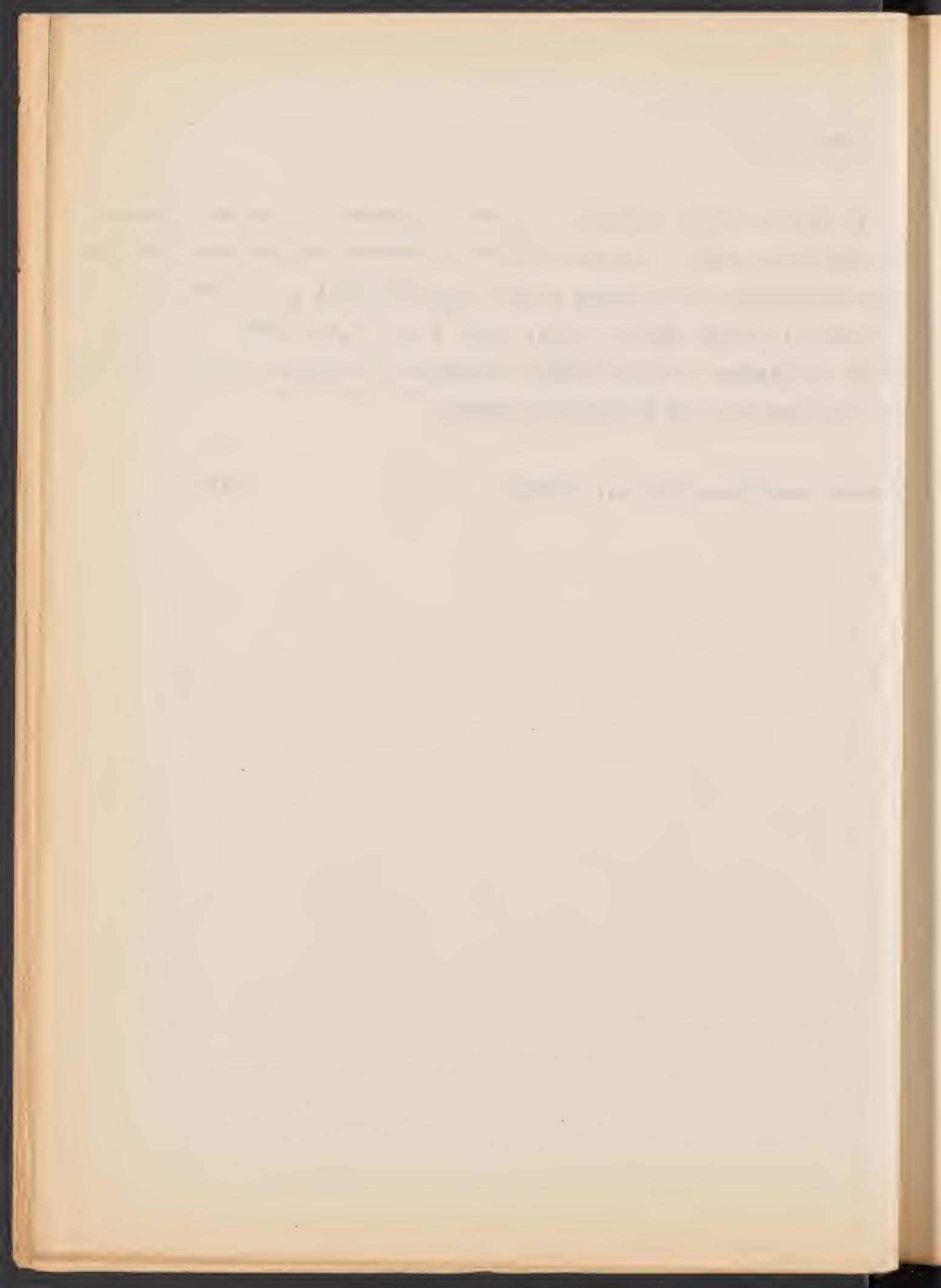
Her

Armillaria

Pileus not fully expanded, 2.5 cm in diameter, 1.5 cm tall, convex, with large broad umbo, densely strigose tomentose scaly un umbo, strigose scaly over rest; prouts brown, margin appendiculate; gills adnate to slightly decurrent, close, broad, white; stipe 6 cm x 5.5- 12 mm, ring slight perhaps evanescent in fully mature specimens, fibrillose spongy, drab gray with fusiform bulb, 12 mm tapering upward.

Heredia, Concordia, 1900 m., Goerger

9-9-36



Armillaria

Pileus expanded, 10 cm., depressed, margins wavy, striate, unrolled when young broadly umbonate in depression, Mars brown, lighter toward margin, even, honey color, minutely fibrillose, scaly, flesh thin, except on disc; gills decurrent by a line, adnate, ochraceous-salmon, darker in age, narrow, close; stipe fibrous, stuffed, tapering downward, 6 cm. $\frac{1}{2}$ mm. above, $\frac{1}{2}$ mm. below, silky, fibrous with floccose warts just below & on underside of lacerate, fleshy, fibrous annulus.

Stump in potrero

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2200^m. Dodge & Thomas

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Armillaria

Pileus expanded broadly umbonate, disc minutely scaly, cinnamon brown shading to cinnamon buff, margin striate sulcate; gills pinuate adnate broad, close, pale pinkish cinnamon; stipe fibrous, cottony below, somewhat evanescent annulus, tapering or equal 7 x 1 cm

Forming fairy ring around old decaying stump

specimen from Zunquin agrees except pileus 5.6 cm or less stipe 6 cm x 9 mm.
covered with cottony veil

Specimens examined

Costa Rica: San Jose, Rancho Redondo, H 2200 m Dodge&Thomas 5408

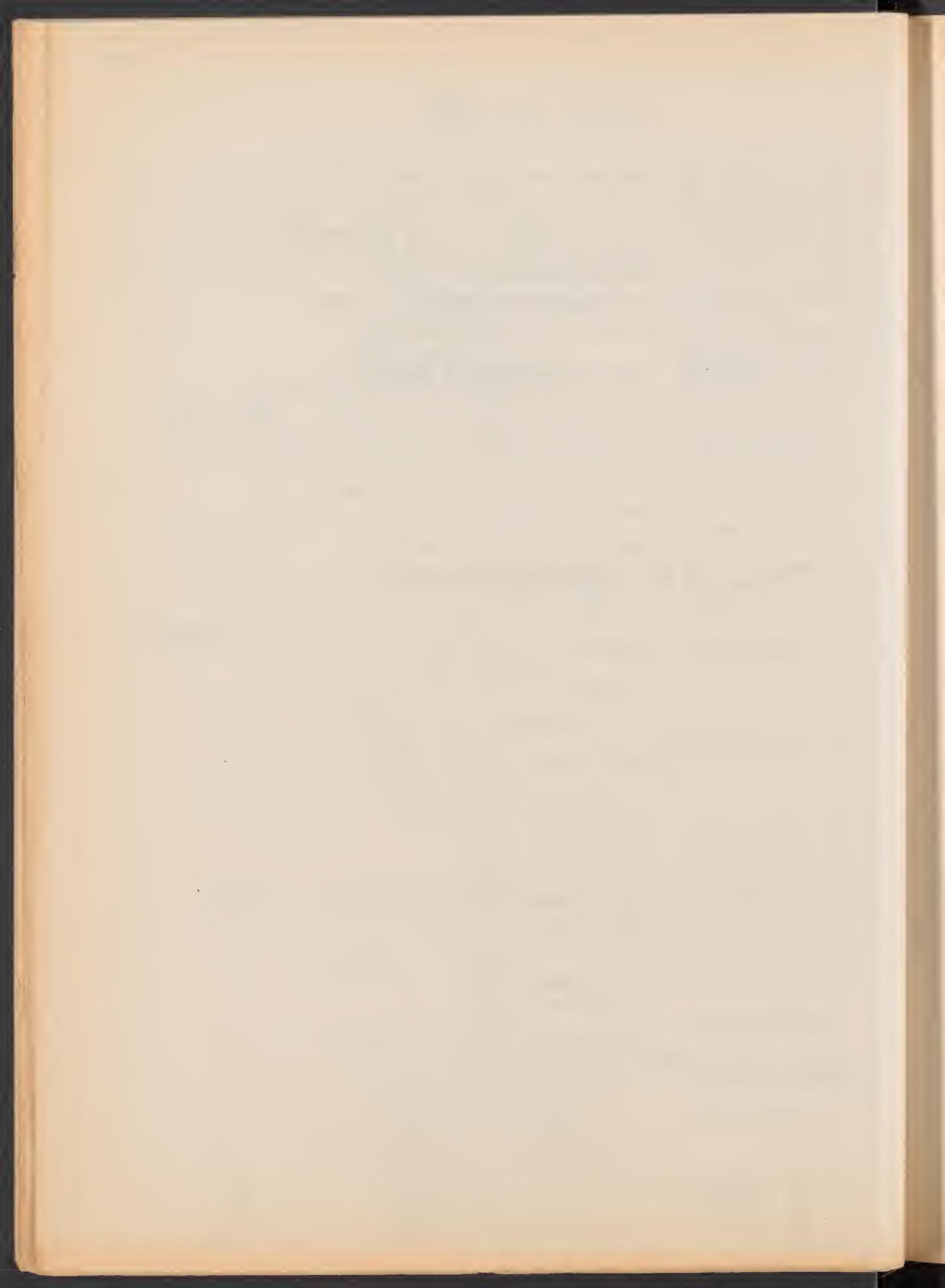
Heredia: Cerro Central de Zunquin 1600 m Dodge Valerio & Thomas

- (12)
- Surface avellaneous, with a fumosous tint, the disk concolorous. *M.fumosiavellaneus.*
- Pileus cespitose, not striate. *M.avellaneigriseus.*
- Stipe 5-7 cm. long. *M.gracillipes.*
- Pileus about 1 cm. broad
- Surface avellaneous, striate. *M.argillaceus.*
- Surface dark-brown, not striate. *M.pubescens.*
- ~~Pileus 3 cm. ~~dark brown shading~~ M.5127 whitish~~ *M.5127*
- ~~surface dark brown~~ *M.5112* ~~surface fuscous~~
- Surface pale-isabelline or avellaneous. *M.cinchonensis.*
- ~~surface olive brown~~ *M.5113* ~~surface olivaceous-brown.~~ *M.carbonicola.*
- ~~surface brownish brown~~ *M.4656*
- Pileus lilac or some shade of red.
- Pileus 5-8 mm. broad.
- Surface lilac-colored. *M.syringeus.*
- Pileus 2.2 cm wood brown
- Surface dark-testaceous. *M.testaceus.*
- m 5379* Pileus 1-2 cm. broad; stipe 2-3 cm. long.
- Surface lactericeous; lame-llae testaceous. *M.lacterius.*
- Surface chestnut-red; lame-mellae fawn colored. *M.corrugatus.*
- ~~surface reddish brown, somewhat red~~ *M.5346*
- Pileus 2-5 cm. broad; stipe 5-8 cm. long. *M.purus.*
- Margin at first incurved.
- Lamellae decurrent; pileus umbilicate *Omphalina.*
- Pileus white or whitish.
- Pileus about 1 cm. or less broad.
- Pileus about 5 mm. broad; stipe 6 mm. long. *O.niveicolor.*
- Pileus 8-13 mm. broad; stipe 1-4 cm. long.
- Pileus not umbonate
- Stipe 2 cm. long; pileus 13 mm. broad. *O.substictiphoides.*
- Stipe 4 cm. long; pileus 8 mm. broad. *O.tepeitensis.*
- Pileus umbonate.
- Pileus convex, with an abrupt, small umbo. *O.cuspidatella.*
- Pileus conic, with a long, pointed umbo. *O.acuminata.*
- Pileus 3 cm. or more broad.
- Pileus convex to umbilicate; lamellae distant. *O.collybiiformis.*
- Pileus infundibuliform; lamellae crowded. *O.jalapensis.*
- Pileus yellow or yellowish.
- Pileus infundibuliform, 1-1.5 cm. broad.
- Surface isabelline *O.lenta.*
- Surface flavovirens, becoming melleous. *O.flavella.*

MILLER

filamentous exop. depressed 5 cm. Virgin soft or lightly or not
parallel; surface smooth or slightly tomentos hygrophanous and
brown to snuff brown on disc, flesh pale pinkish buff thin at
margin 5 mm. at disc, gills cinnamon buff decurrent by line to lf. up
to ring which is thick ochreous easily separable; stipe 8 above
11 mm. below 4 cm. fibrous straight olive color on pale pinkish buff
ground.

Cost. Rica San José Prov. Rancho Redondo 5000 ft. 7-11-30
Dodge Goerger



Armillaria

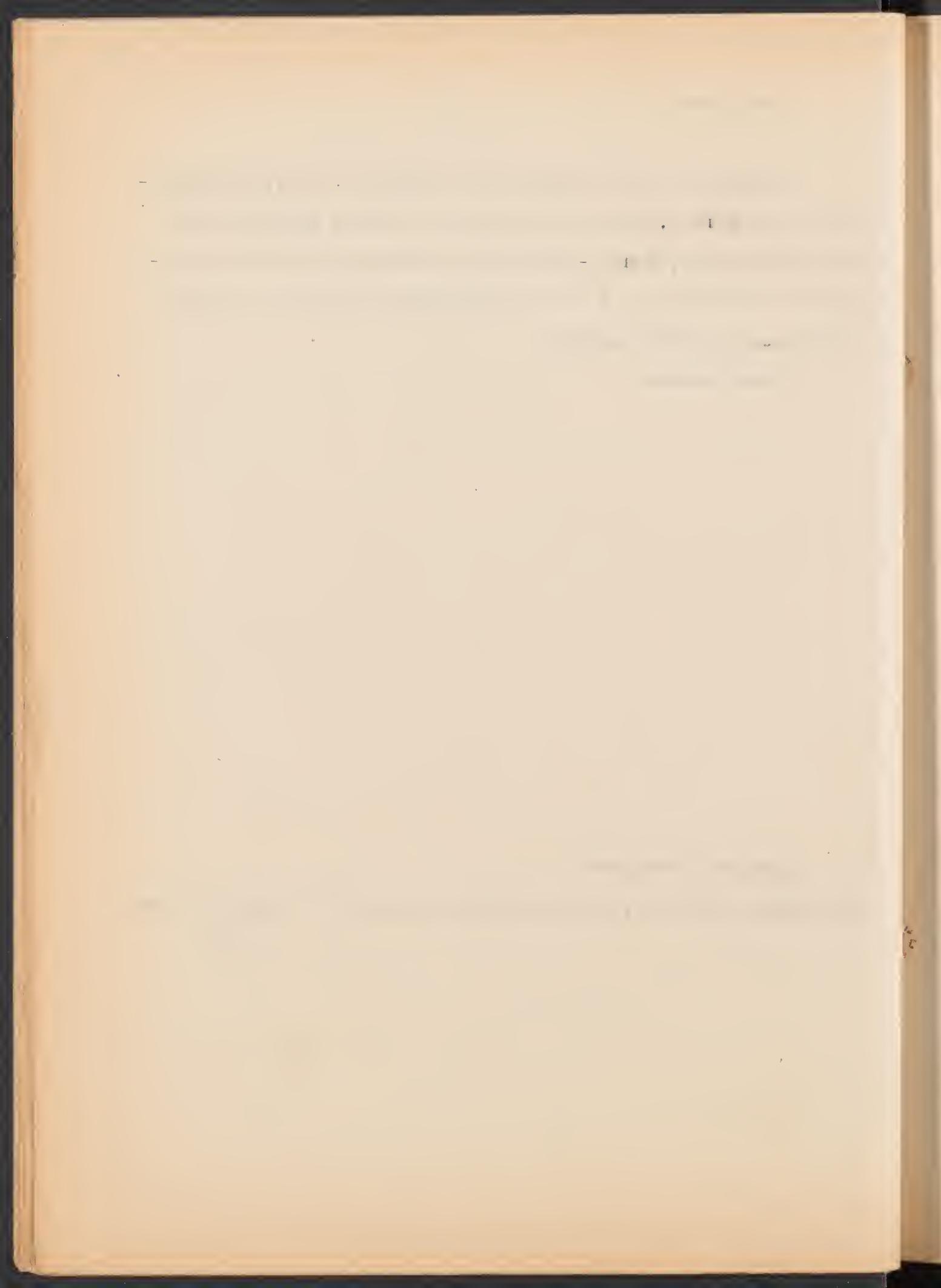
Pileus not fully expanded but convex, 2.5 cm., very square to pyramidal, scaly on disc, less so toward margin; gills close ventricose, sinuate-adnate, white, decurrent by line to annulus; stipe short, 3 # 1 cm., white, cottony without becoming cinnamon, buff where handled.

Among mosses.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2300 m. Dodge & Thomas

5217



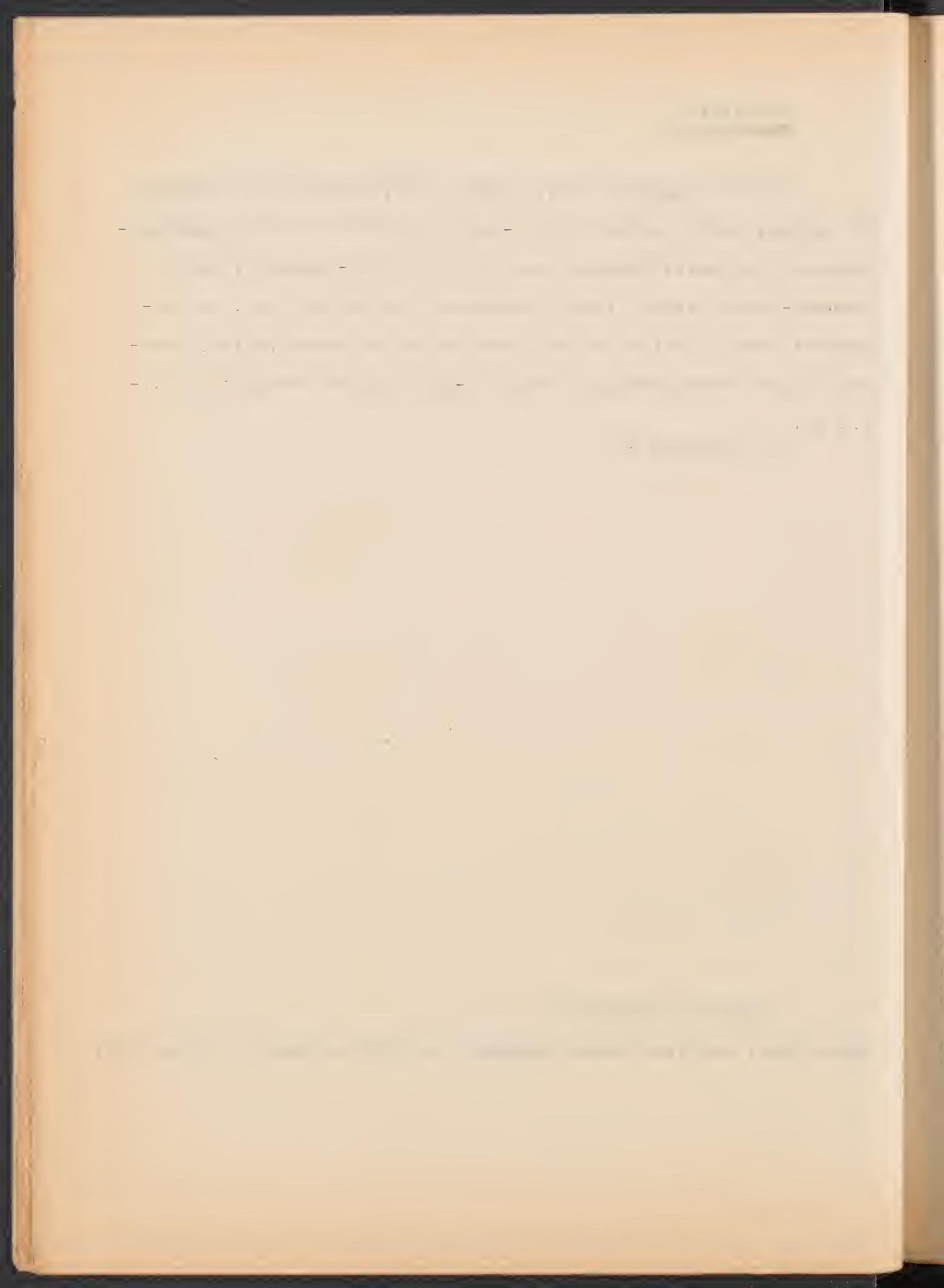
Armillaria
~~Picholoma~~

Pileus expanded 5 cm.; margin thin, unrolled with remains of partial veil; surface innate-scaled, appearing areolate, pinkish-cinnamon and saffron brown; gills, light pinkish-cinnamon, close, sinuate-adnate with slightly decurrent line about 2 mm. to evanescent annulus; stipe, thick, short, tapering upward, white becoming yellow where handled, fibrillose-scaled, pale fleshy, 5.5 # .7-1.1 cm.

On decaying log

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, Alt. 2400m. Dodge & Thomas 5257



Armillaria
Chaeota
New Genus.

Pileus verrucose on disc; flaccose-squamulose, margins,
glabrous-striate, orange-cinnamon to Mikado brown; gills, light-
pinkish-cinnamon, darker edge; plane of gill shallow, reticulate-
porose as in young poroid Merulius; annulus broad, persistent
but thin; stipe fleshy, striate above annulus, floccose, striate
below; dirt adhereing to bulb as pseudovolva, 13 cm #06 mph.,
continuous with pileus.

Mossy bank.

Specimens examined:

Costa Rica: San Jose, Rancho Redondo Alt. 23-2400 m. Dodge & Thomas

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Armillaria

Cortinarius

Pileus expanded 18 mm., antimony-yellow with long conical, dark Indian-red spines, especially on disc; gills close, broad, adnate with decurrent tooth antimony-yellow; stipe fleshy, 3.5 cm. # 3 mm. antimony-yellow above, whiter below; annulus cortinoid, evanescent; stipe fibrillose, splitting.

Specimens Examined:

Costa Rica, Limon, Rose Hill, Alt. 90 m., above Rio Pacuare, Catt,
Dodge, & Thomas 5540

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Bolbitius

Gomphidius?

Coprinus?

Pileus campanulate, slightly umbonate, fibrillose, salmon to rufous, margin not striate; gills crowded, broad, free or nearly so, white at first, then brown and deliquescent; stipe concolorous, 1 cm # 1 mm., slightly fibrillose with remains of cortina forming inconspicuous ring.

Decaying log.

Specimens examined:

Costa Rica, Limon, Rose Hill above R. Pacuare, Catt, Dodge, & Thomas
5509

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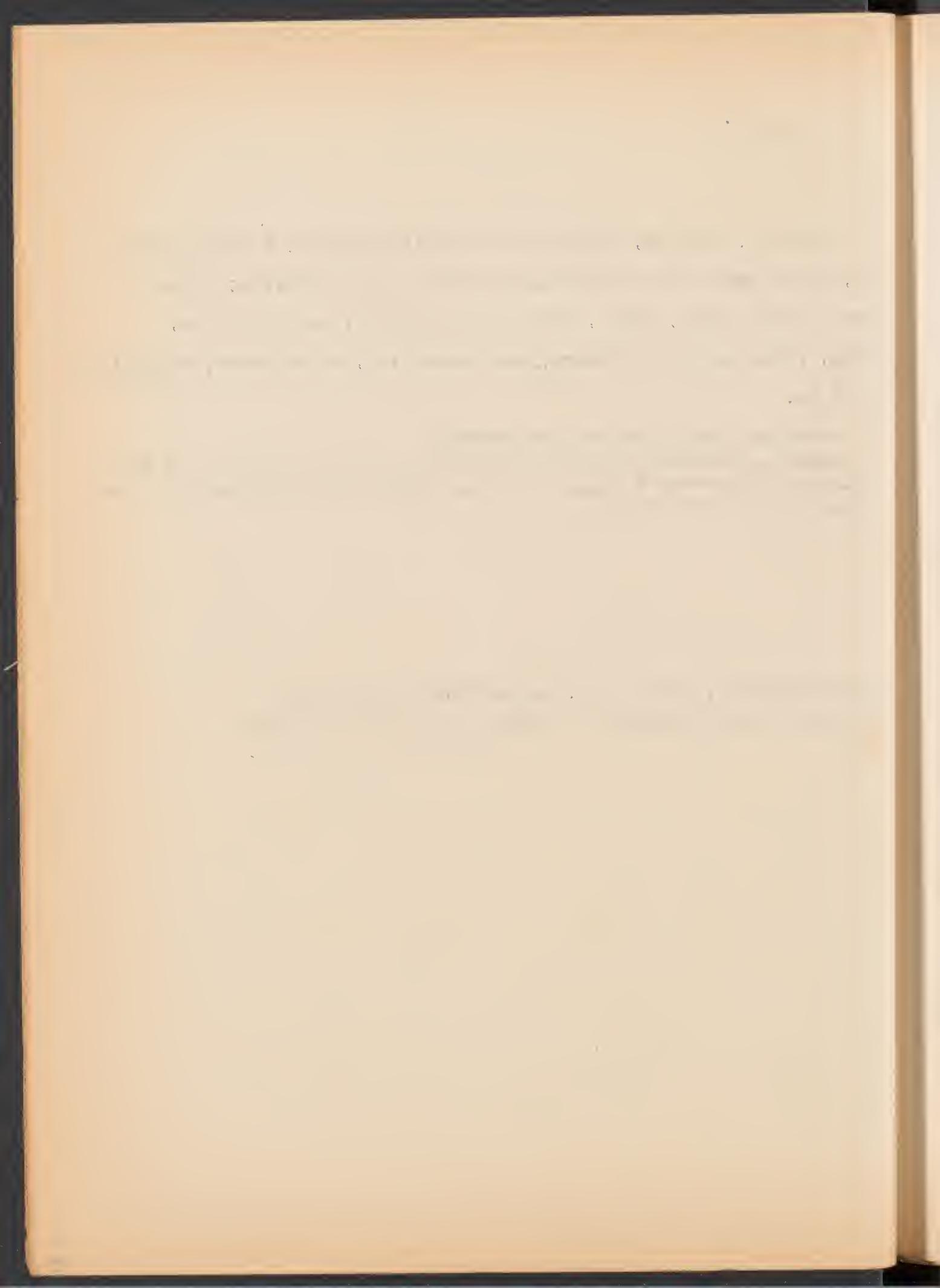
Pileus 1.5 -2/ cm, campanulate, margin inrolled, minutely tomentose, ~~japan~~ red on disc shading to flesh color at margin; gills brown, deliquescent, close, free; stipe fragile, cartilaginous, smooth, flesh color above ~~ring~~, ~~japan~~ rose ring, white below, elongating to 3-4 cm.

Decaying stumps and logs in banana.

Specimen from Castilla July 26 flesh ochre shading to salmon, gills mummy brown, stipe white ring evanescent. Specimen from R. Sándalo light salmon orange stipe white ring cortinate present

Costa Rica: Limon, Marta 20 m. Dodge 7306; Castilla July 26.

Puntarenas, Osa, R. Sándalo 5 m Dodge & Goergen Aug 24, Sept 1

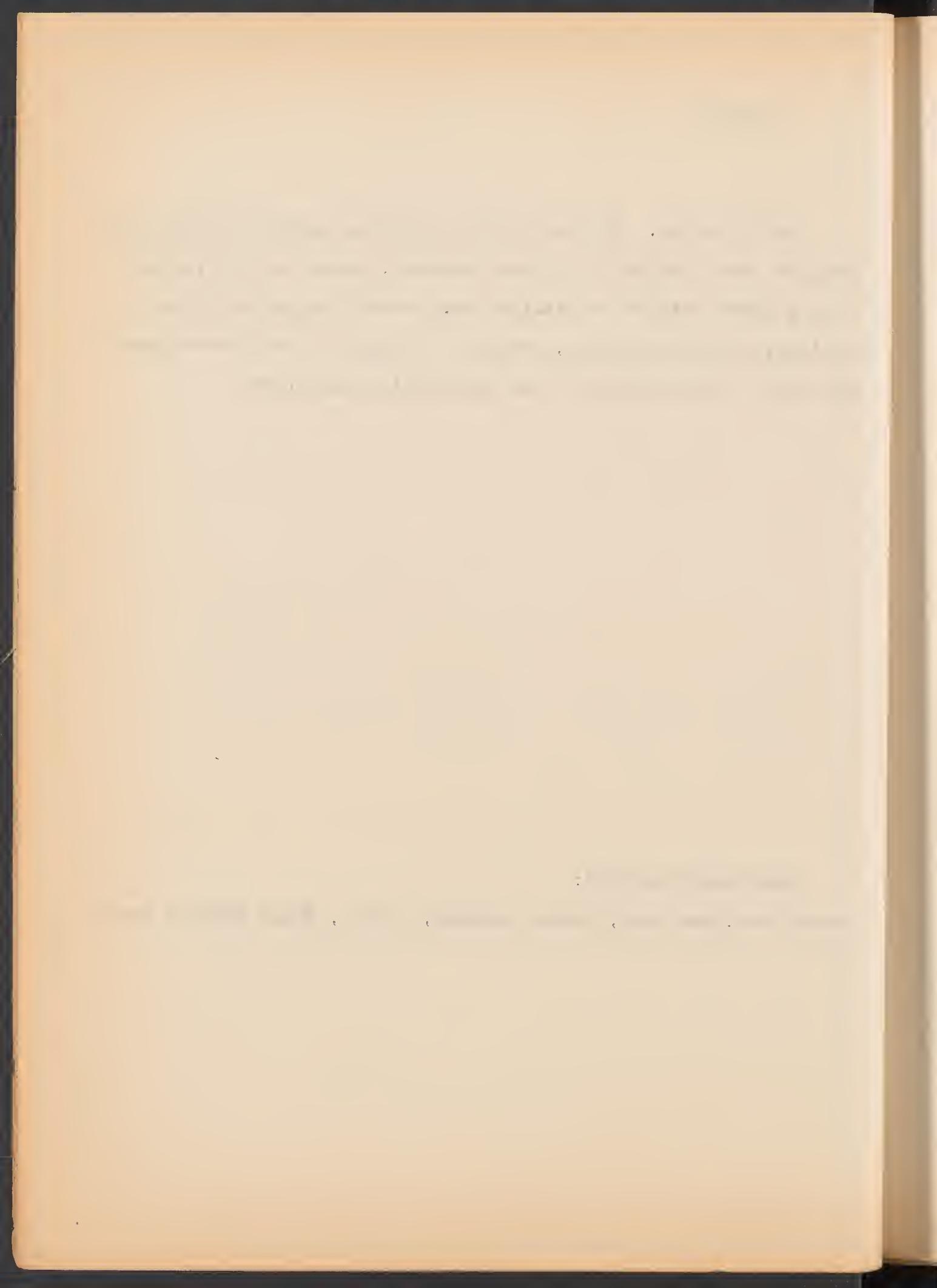


Boletus

See painting. Surface cracked minutely velvety; tubes large angular, not changing color when wounded, mouths not different color; flesh with faint pinkish tint, developing slowly after cutting; stipe deep brown, probably starting to decay since tubes and part of the surface of cap show whitish mycelium

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2230 m, Dodge & Thomas 4985



Boletus

Pileus 1.7 cm cm, minutely verrucose, velvety, orange rufous or darker, convex, flesh thick on disc thin toward margin; tubes white, depressed around stipe; stipe floccose tomentose, concolor tapering upward 3.5 cm x 3-5 mm

Mossy bank by roadside

Specimens examined:

Costa Rica: San Jose, Rancho Redondo 2150 m Dodge & Thomas 5120

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Boletus

Pileus flat, 1.2cm., velvety tomentose, sandy brown flesh 3mm. thick thinning to edge, upper third old rose or darker when cut. tubes 4mm., yellow, mouths of tubes at margin stained old rose
Stipe very short, broken off, .6 X 2cm.

Mossy roadside banks

Costa Rica, San José prov., Guayabillos, 2300 m.

Dodge & Goerger

7-16-56

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Xletus

Pileus 13cm., convex, surface tomentose, almost black, parasitized,
flesh white, 2mm., unchanging, tubes cream color 1.5mm., unchanging, large
angular

Stipe 1.2cm. x 2mm., tomentose? (now covered with soil)

Mossy roadside bank

Costa Rica, San José prov., Guayabillos

7-16-30

Dodge + Goerger

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Polyastus

Saturnus Group

Filous convex, 2.5cm., arm sepiia, tomentose, submeruloid
flesh 4mm. thick thinning to margin, mikado brown under pellicle,
seafoam yellow unchanging, tubes adnate depressed around stipe, lime green,
up to 7mm. long, nearly 1mm. in diameter, mouth angular, tinged light
jasper red.

Stipe tinged light jasper red, tomentose, 3cm. x 6-4mm, tapering
downward.

On mossy bank

Costa Rica, San José prov, Rancho redondo near bridge

7-13-36

Dodge & Goerger

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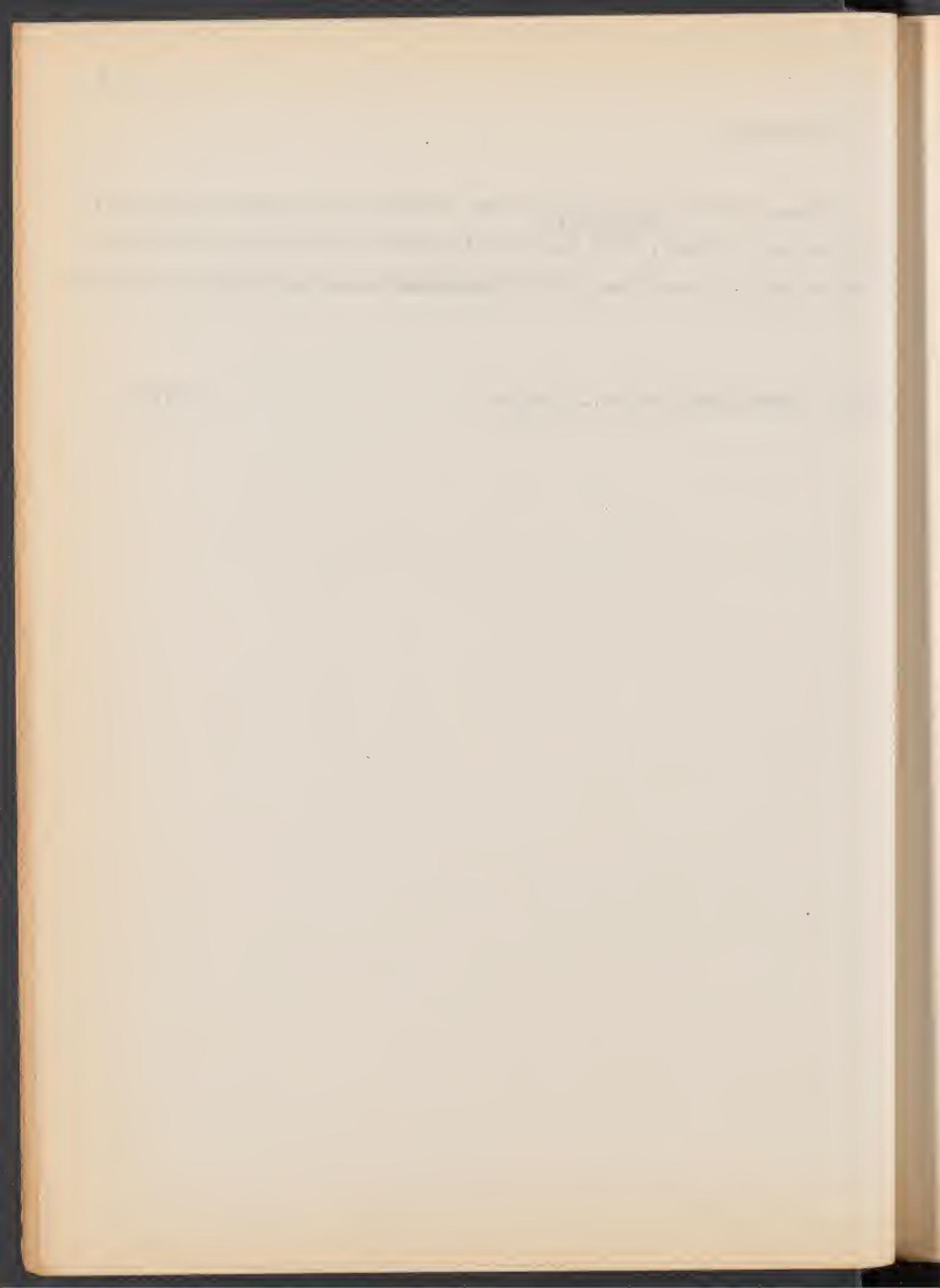
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Cantharellus

Pileus convex, flesh thick, 2 cm, orange buff, spongy fibrillose;
decurrent
gills narrow, distant, with anastomosing meruliod cross gills, orange
thick; stipe 6.5 cm x 3 mm, fleshy ~~reddish~~ tapering downward, concolor

Heredia Chahuites, 1600 m., Goerger

9-11-36

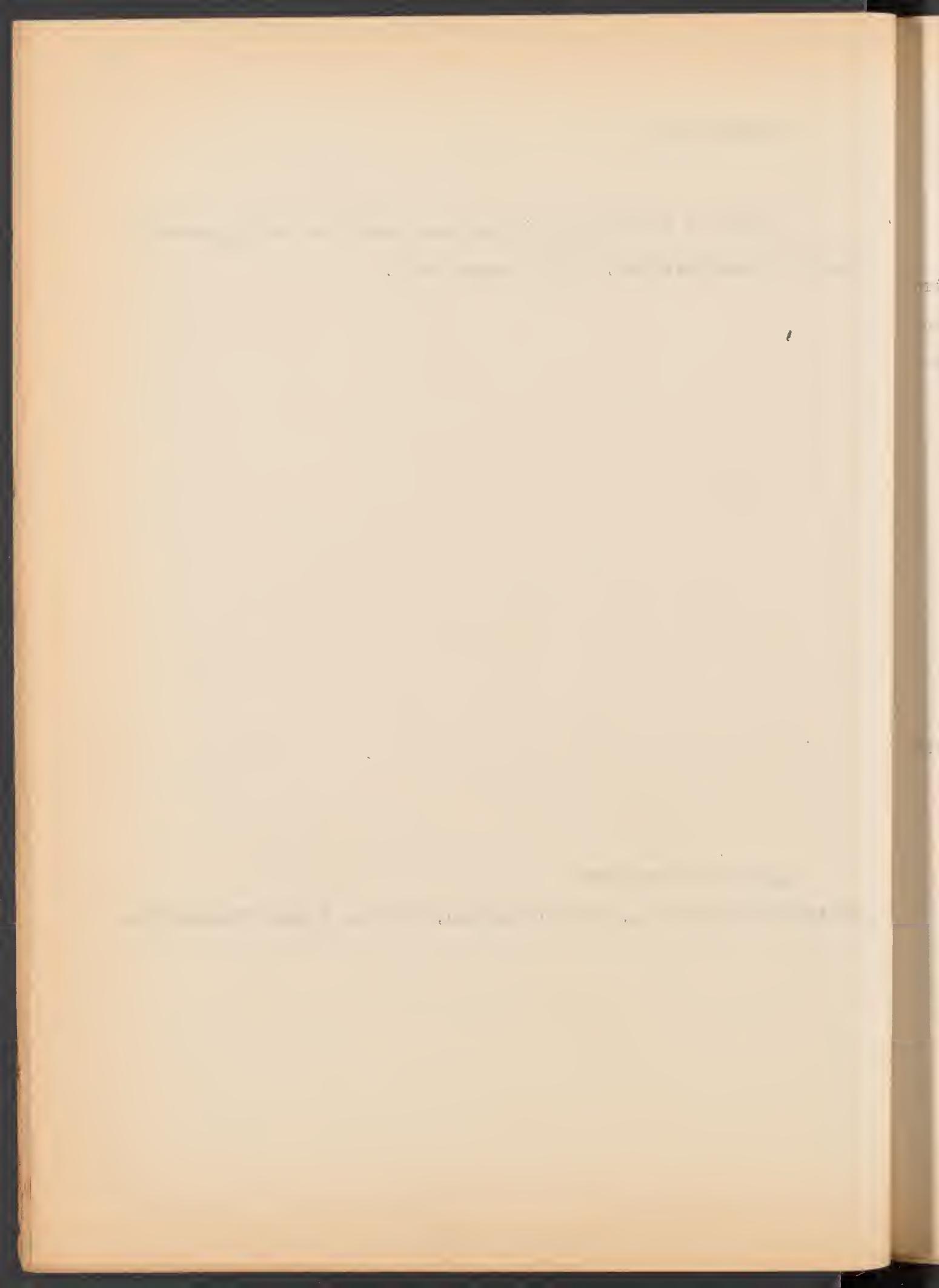


Cantharellus

Pileus 4 cm (both pilei in poor condition but apparently buff) infundibuliform; gills orange buff.

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2250 m, Dodge & Thomas 5132



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Panusellus Ciliatus

pilea flat up to 2.2 c., dry, surface smooth floccose
velvety disc cinnamon buff, gills thick, not so long w/r buff
current; stipe 3 cm, equal filaments cinnamon buff.
Caespitose

Terrestrial quebrada forest

Cost. Rica San José Prov. Guanacastre 2300 ft 7-7-36
Dodge & Goerger

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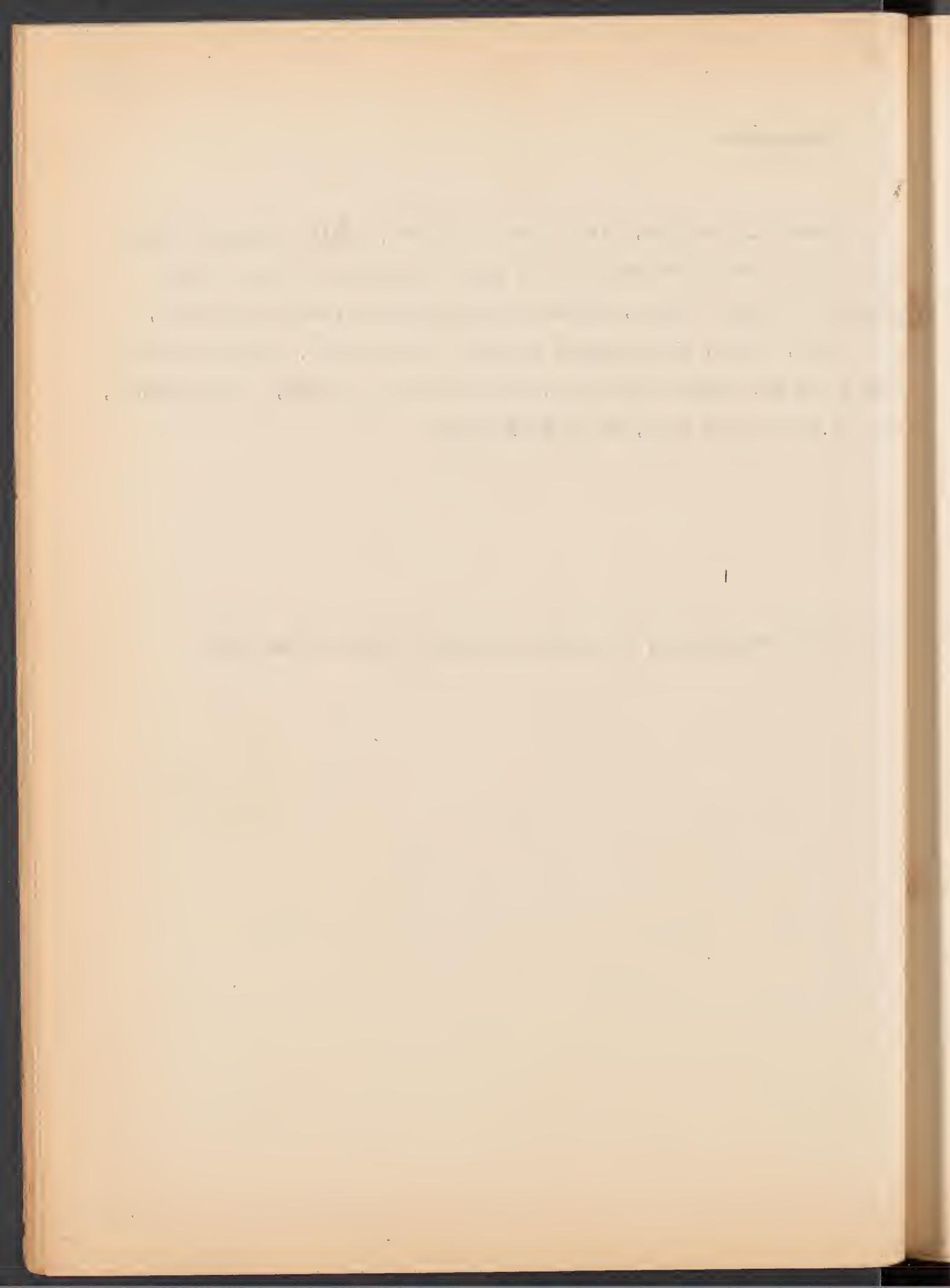
ere

Co

Chamaeota

Pileus 5.2 cm diam, fibrillose, bibulous, deeply sulcate-striate over gills, disc fuscous to fuscous black surrounded by zone cream with small fuscous scales, margin light vinaceous fawn; gills free, ventricose, close, light salmon orange; stipe fleshy, tapering upward 9 cm x 4-9 mm, silky fibrillose, white, ring appressed, inconspicuous, erect 3.5 cm below apex, no sign of volva

Costa Rica: Puntarenas, Osa, Estero Sandalo 5-20 m Dodge 7665



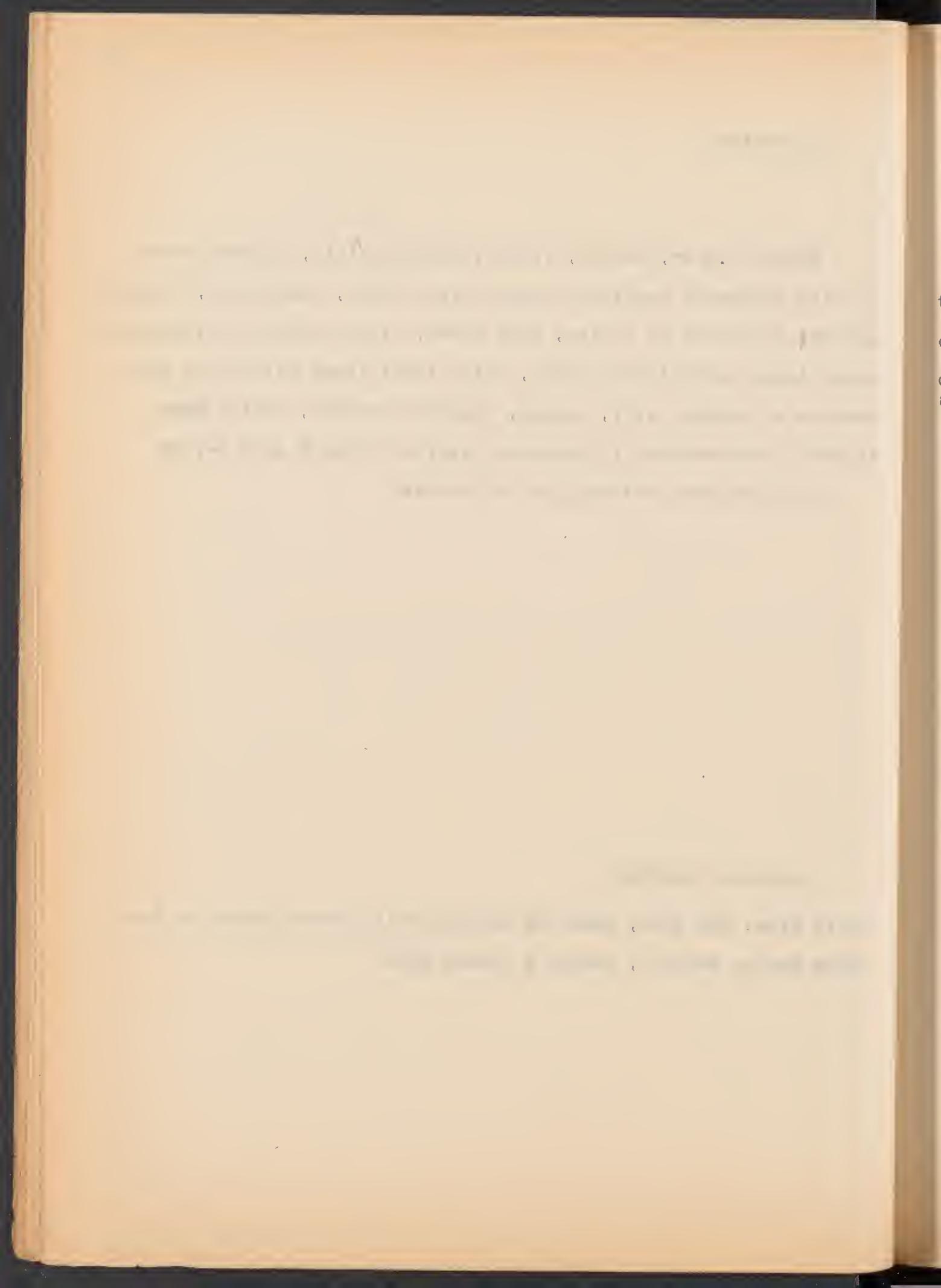
Clarkeinda

Pileus 3.2 cm, convex, viscid, margin stiate, dresden brown on disc shading to buckthorn brown; gills broad, subdistant, sinuate-adnate, decurrent by a line, dark brown; stipe reticulate verrucose above thick persistent annulus, below fibrillouse reticulate with remains of partial veil, hollow, somewhat crooked, ending ~~wide~~ in bulb with somewhat filamentous gleified volva 9 cm x 5-9 mm

On earth near rotting log in potrero

Specimens examined

Costa Rica: San Jose, Finca de Alfredo Volio above Cabeza de Vaca
2700m Rancho Redondo, Dodge & Thomas 5371



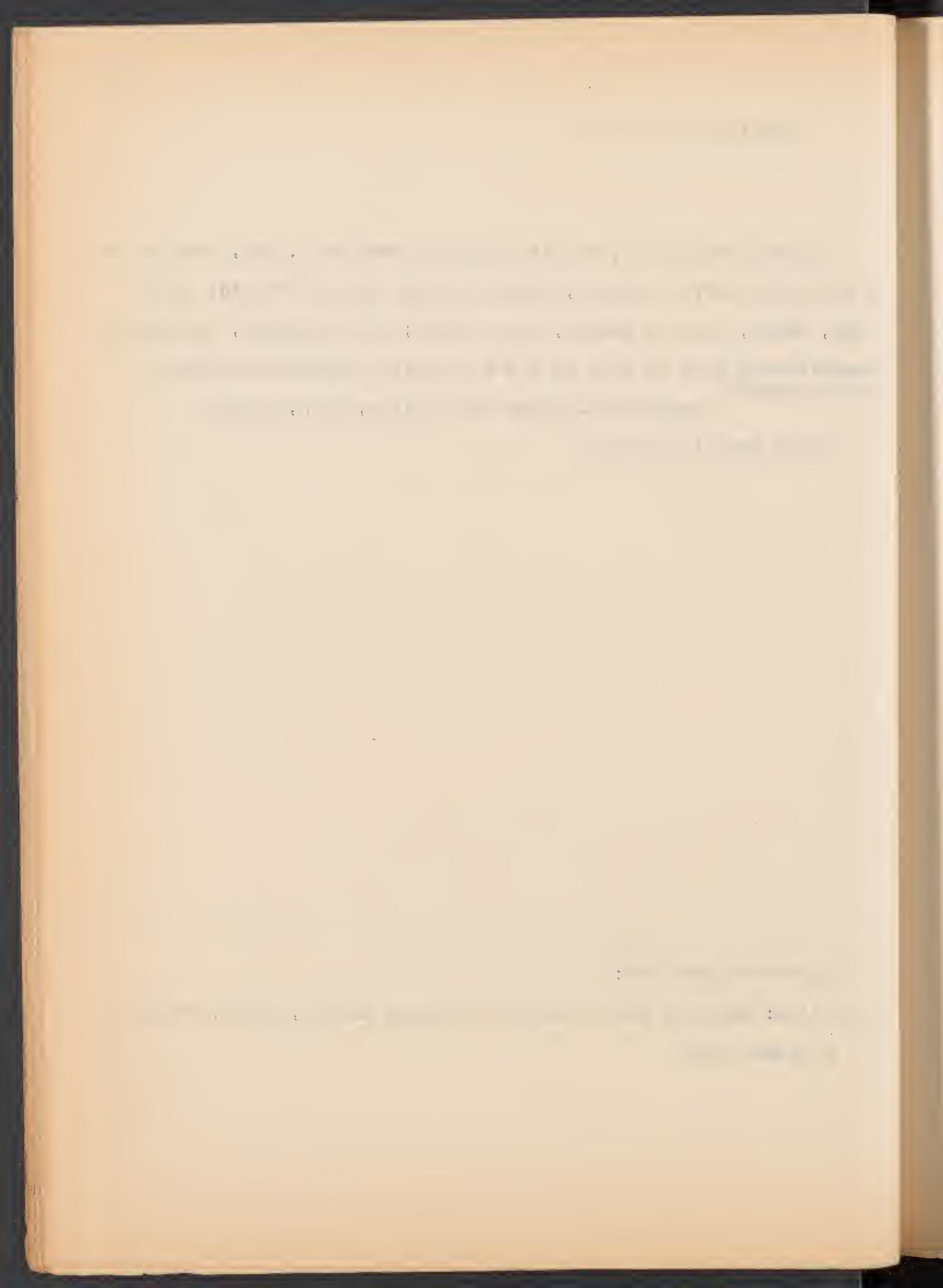
Iglesias Valerionis

Pileus hemispheric, margin slightly inrolled 2.5 cm, clay color to cartridge buff at margin, smooth shining but not viscid; gills close, broad, sinuate adnate, olive brown; stipe slender, tapering downward with bulb at base 55 x 4-5 mm white stained greenish (by algal growth?) annulus collapsed about stipe, thin, black

In cow dung in potrero

Specimens examined:

Costa Rica: Heredia, Cerro Central de Zurquí 1530 m, Dodge, Valerio & Thomas 6135



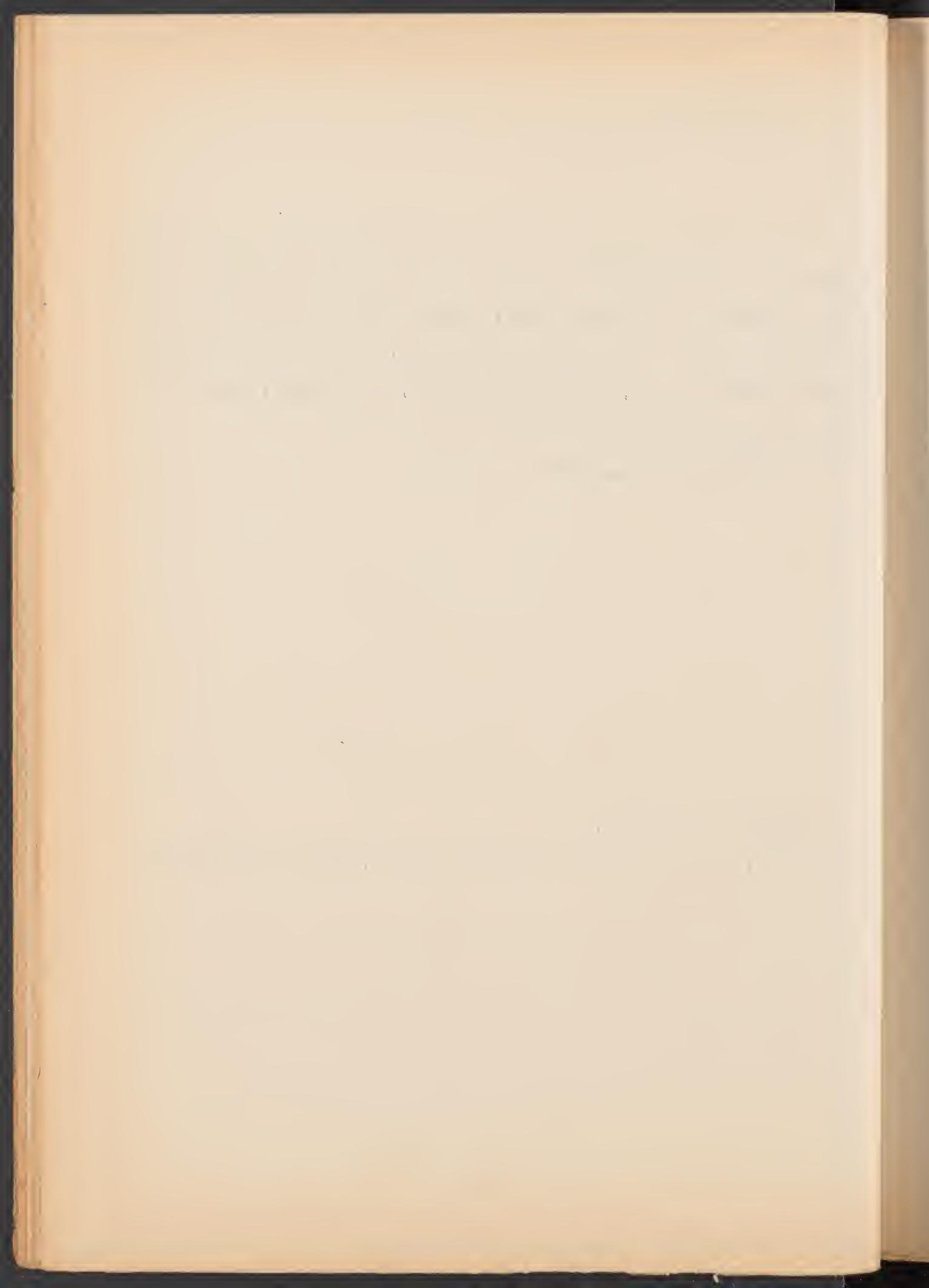
Clarkeinda ?

Pileus broad umbonate 3 cm, campanulate, long, hairy, almost
shaggy, edge long fimbriate, appendiculate, umbonate, mikado brown
to tawny olive, splitting easily; gills broad guttulate free cinnam-
mon brown, close; stipe cottony tomentose, white above cortinoid
subevanescent annulus, below tawny olive, fibrillose, 9 cm x 5 mm
ending in bulb with subgelatinous volva

Soil near decaying wood

Specimens examined:

Costa Rica: San Jose, Rancho Reondo 2760 m, Dodge & Thomas 5336



Clarkeinda

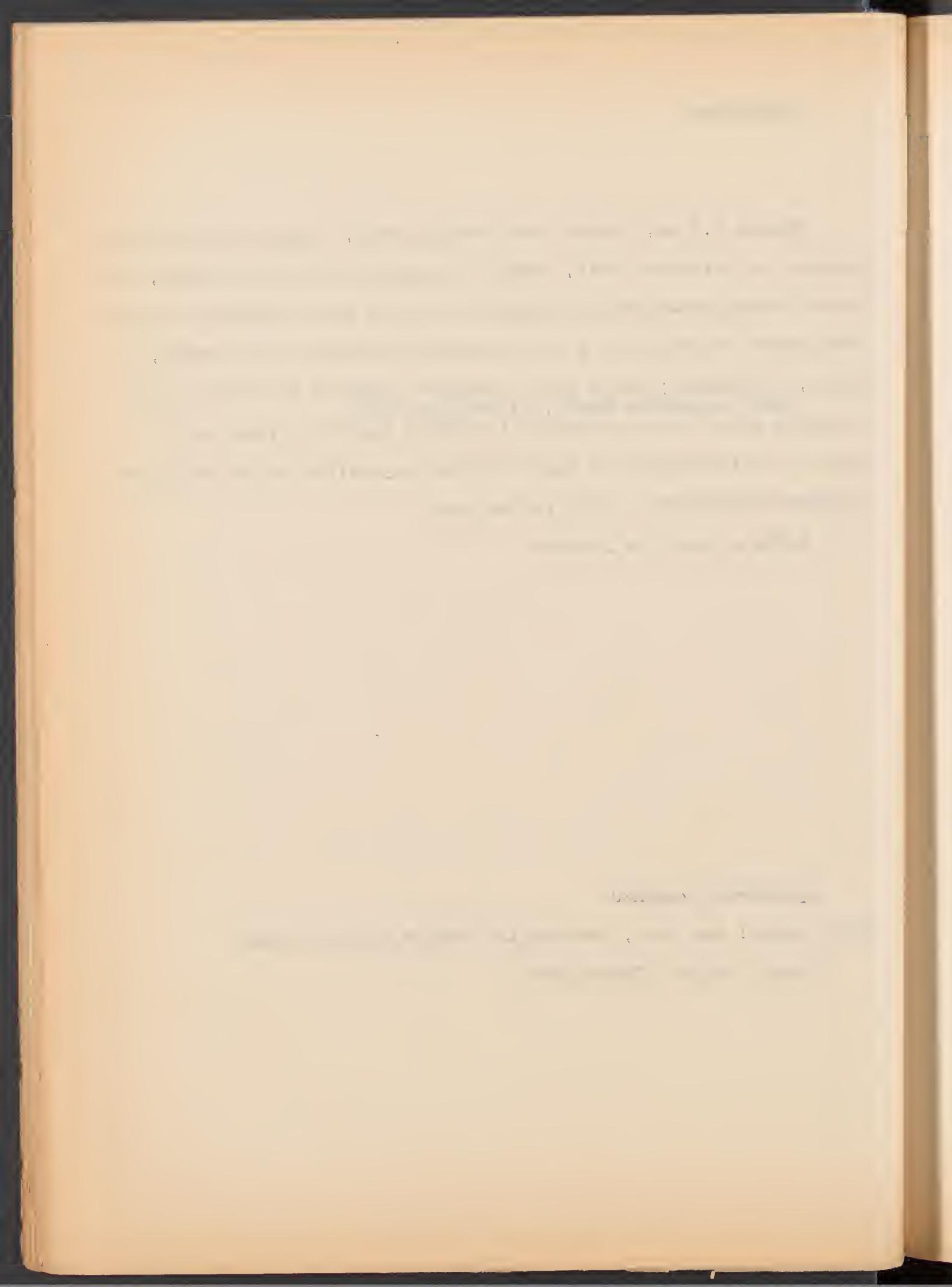
Pileus 3.7 cm, convex with conical umbo, viscid with punctate remains of universal veil, tawny with massicot yellow margins, the latter tawny punctate from remains of veil; gills adnexed or sinuate adnate decurrent by a line old gold becoming purple brown, broad, subdistant; stipe white punctate pruinose above the broad below squarrose scaly, fibrillose with lacerate persistent annulus, /a few light tomentose remains of partial veil ending in a small bulb with gelified volva which now includes particles of soil in the gel

Among grasses in potrero

Specimens examined

Costa Rica : San Jose, Guayabillos 2700 m Rancho redondo

Dodge Dodge & Thomas 5370



Clarkenda??

63

~~Tetrapharia~~

~~Collybia~~ Purple-spored

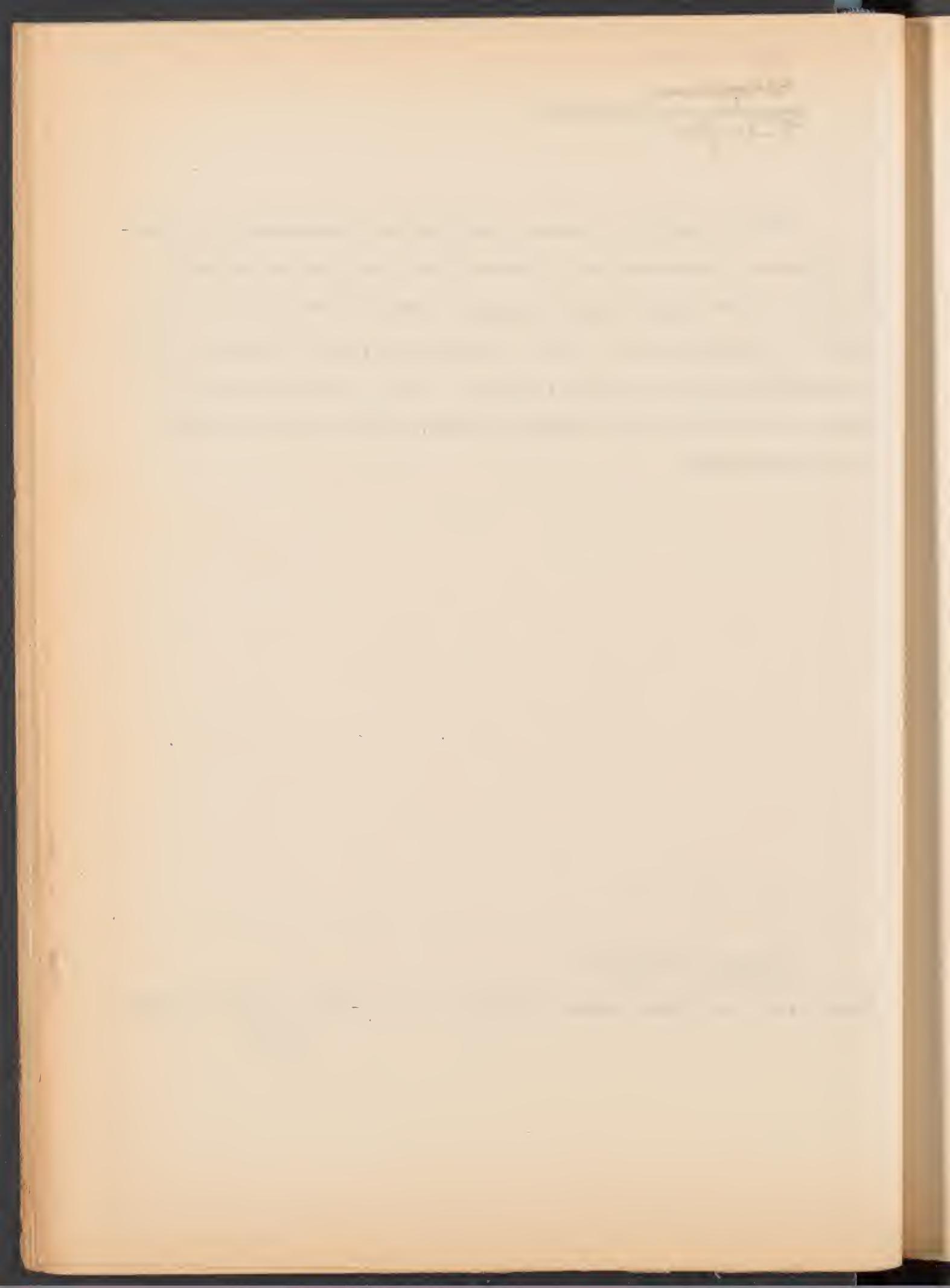
~~Psilocybe~~

Pileus expanded, convex, viscid after disappearance of shaggy, squamose, universal veil, rüset disc, shading to antimony-yellow, 3.5 cm.; gills adnate, sinuate, ventricose, close; flesh thick on broad umbo, yellowish; stipe hollow, cartilaginous, shaggy, below remains of cortina, some of which remains attached to margin of pileus, russet after handling, bulbous, dirt clinging as a pseudovolva.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 25-2650, Dodge & Thomas.

5160



Clitocybe

Pileus small, about 4 cm diam. disc viscid, smooth, clay color margin fibrillose, flat, flesh thin, cinnamon buff consisting of gelatinous pellicle, a compact watery layer with a subgelatinous layer beneath, the flesh stipe layer extends up over the gills beneath the subgelatinous layer, while the cottony stuffing of the stipe fills the interior and is somewhat riddled by insects; gills adnate, margins serrate, eroded, ~~florid~~ subfloccose, white; stipe covered with floccose scaly remains of veil, about 8 x 1 cm.

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2250 m, Dodge & Thomas 5020

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Cos

Clitocybe nearBroadwayi

Pileus infundibuliform, 4 cm, striate, sulcate, margin slightly inrolled, tilleul buff; gills warm buff, decurrent, narrow, distant; stipe 4 cm x 85-4 mm white slightly tomentose

Costa Rica: Puntarenas, Osa, near Rio Terrones 5-20 m Dodge 7735

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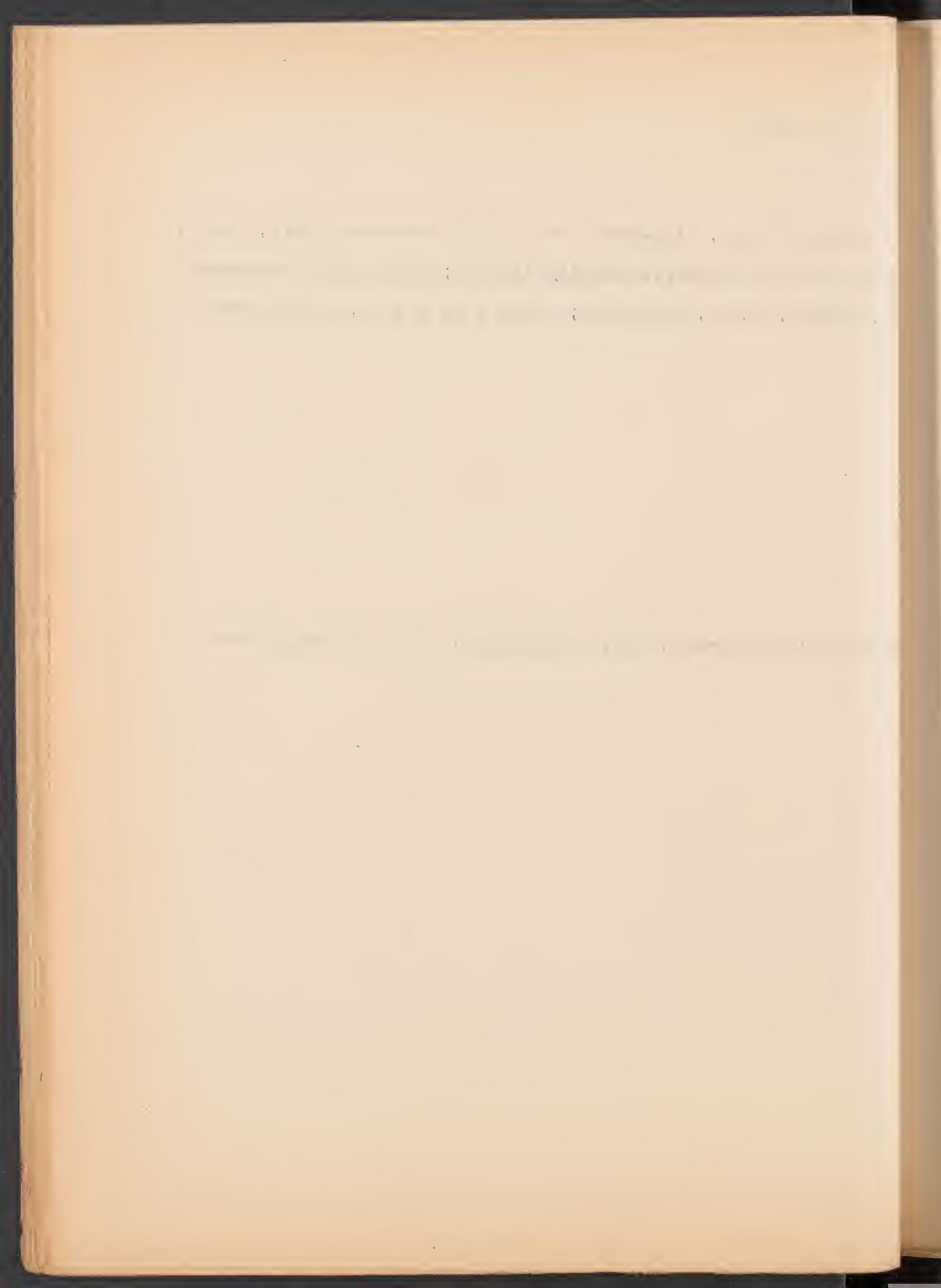
buf

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Clitocybe

Pileus 3-4 cm, cinnamon brown topale ochraceous buff, plane, convex, umbilicate; margin faintly striate; gills pale ochraceous buff, narrow, close, decurrent; stipe 4 cm x 4 mm, concolorous

Costa Rica: Puntarenas, Osa, Estero Sandalo 5-20 m Dodge 7698



Clitocybe

Pileus flat with sharp umbo 15cm smooth, subtomentose, pinkish cinnamon, umbo sayal brown, flesh thick, gills broad decurrent subdistant, thin, light pinkish cinnamon; stipe fleshy, 3.5 cm x 4 mm, light pinkish cinnamon, subtomentose

Among grasses in potrero 2260 m

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2260 m. ~~Rancho~~ Dodge & Thomas
5266 BX

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GALERA

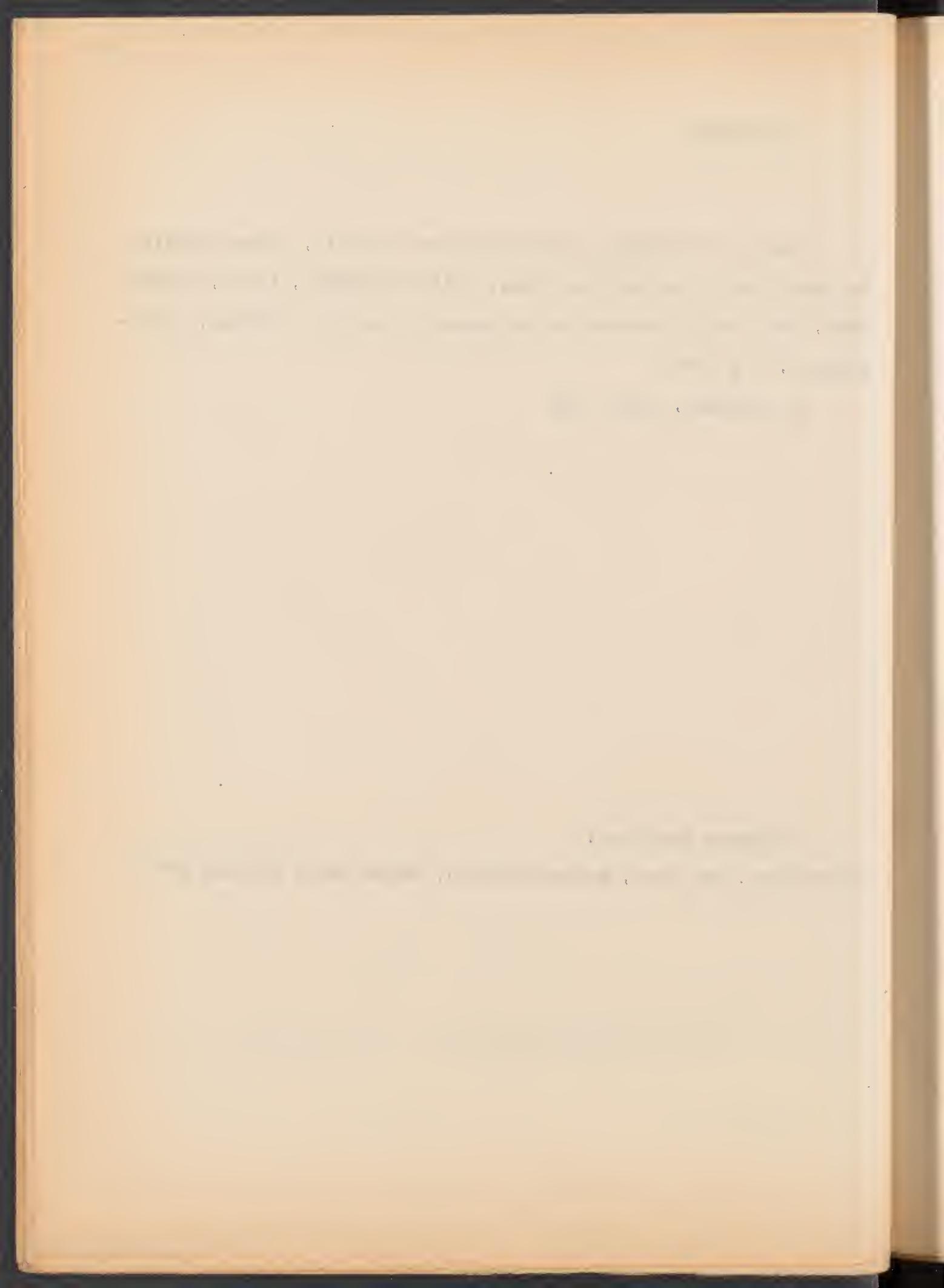
Clitocybe

Pileus 7 cm deeply infundibuliform, sulcate, russet shading to light buff; context very thin; gills decurrent, broad, subdistant, white with cadmium yellow edges; stipe short fleshy, hygrophanous, 2 x 1 cm

On decaying, mossy log

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2400m Dodge & Thomas 5373



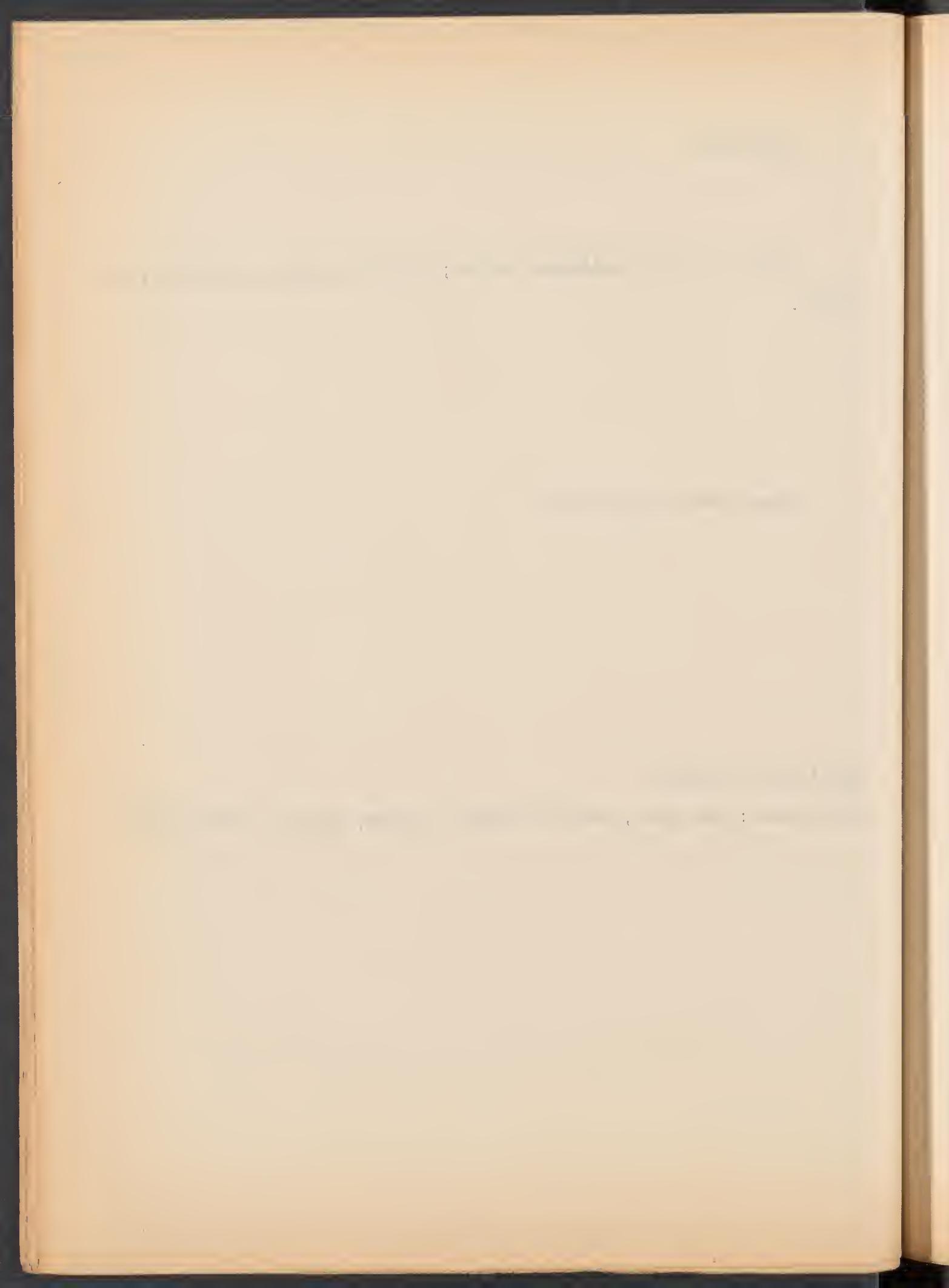
Clitocybe

Pileus & stipe antimony yellow; gills slightly decurrent, wh
white.

Among grass in potrero

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2200m, Dodge & Thomas 5100



Clitocybe

Pileus convex, slightly umbilicate, white, subhygrophanous, 2.2 cm diameter, flesh white, thin except on disc; gills white, decurrent, broad, close; stipe tapering downward 2 cm x 3 mm fibrillose silky, hygrophanous, pruinose above

Rotten log

Specimens examined

Costa Rica: San Jose, Rancho Redondo 2300 m, Dodge & Thomas 5117

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Clitocybe n sp.

Pilei cespitose, convex to flat, umbilicate, margin floccose, inrolled, 2.5 cm., white, hygrophanous with pale isabelline tints, smooth dull; gills decurrent, close, maize-yellow; stipe white, 2.5 cm. # 6 mm. fleshy.

Dead log.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 140-200m., Catt, Dodge &

Thomas 5527

smo

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Clitocybe

Pileus densely cespitose, epixyloous, convex, maring, umbilicate, smooth, chalky white, upto 5 cm diam. gills narrow, close decurrent white, stipe white smooth, equal, 2.5 cm x 3.5 mm

Rotting log in bananal

Costa Rica: Limon, Marta, 20 m. Dodge

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Clitocybe nearest testaceoflava

Pilei densely cespitose, thereby distorted and stipe appearing eccentric to almost lateral but marginate behind; up to 3.5 cm diam. pinkish buff to pinkish cinnamon, umbilicate, flesh thick; gills very decurrent quite thin, comparatively narrow, apricot buff; stipe thick, fleshy distorted, seashell pink 1 cm diam about 1 cm long tapering slightly downward, flesh seashell pink or darker.

decaying log in banana!

Costa Rica: Limon, Marta 20 m., Dodge 7218 cf. *Castille* 7-28-36.

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4cm.

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Clitocybe

pileus deeply infundibuliform, coarsely tritheulate to disc, anthracine purple, lighter on disc, becoming Verona brown with cinnamon buff disc, flesh tough, very thin, 6-12 cm.

Gills narrow, subdistant, decurrent, light vinaceous lilac

stipe fleshy, tough, velvety, anthracene purple becoming Verona brown, 8cm. x 5-15mm. (very young)

7cm. x 9mm. (purple specimen)

4cm. x 10-12mm. (old specimen)

On decaying log

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m.

2-24-36

Dodge & Goerger

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Clitocybe

Pileus convex, deeply umbilicate, margin undulate and crimped, somewhat lacerate, orange rufous to Sanford brown, 4cm.

Gills white, subdistant, decurrent, narrow

Stipe 4cm. x4mm., compressed & irregular, contorted, dull, fleshy

Costa Rica, Puntarenas prov., Osa, R. Sinalo, 1-5m.

edge Boerner

8-27-56

clit
pile
gill
stip

Dog

Citocybe n. sp.

near 5117

pileus infundibuliform, white, 3 cm., smooth

gills decurrent, white, close, narrow

stipe 3cm. x 3mm. above, tapering to 2.5 mm. below, white, silky

Costa Rica, Limon prov., Castilla Farm, 20m.

7-27-56

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near 7218

Pileus vinaceous-rufous, deeply infundibuliform, fibrillose, 1.3 cm.
in diameter

Gills nassicot yellow, narrow, crowded, decurrent

Stipe salmon buff, ~~5cm.~~, compressed, 3cm. x 5mm., slightly cottony

Leaf mould in palm forest

Costa Rica, Limon prov., Castilla Farm, 20m.

7-28-36

1
Lam

| | |
|---|------------------------|
| Lamellae adnate | COLLYBIA |
| Pileus viscid or at least moist and glutinous | C. 7-23 |
| Pileus pure white | C. 7716 |
| Pileus colored(9-19) | |
| Stipe viscid | C. 9-11 |
| Stipe shining | C. 5062 |
| Stipe velvety or tomentose | |
| Margin striate, pileus chestnut | C. 7-11 |
| Margin smooth | |
| Pileus 4 cm, Sanford brown to raw sienna; stipe 6 cm x 2.5 mm
xanthine orange to Argus brown | C. 8-15 |
| Pileus 2-2.5 cm, stipe short | |
| Pileus ochraceous orange to Naples yellow
stipe 2 cm x 2 mm | C. 7-16 |
| Pileus amber brown to antimony yellow
stipe 1.3 cm x 2.5 mm | C. 5308-5311 incl. |
| Pileus pale olive buff to white, merely glutinous, shining, margin
striate over gills; stipe 3 cm x 4 mm silky, compressed | C. Nevermann |
| Pileus velvety, tomentose, scaly or lacerate | |
| Pileus lacerate, Mars brown with prominent conical umbo | |
| C. 7-10 | |
| Disc with pyramidal scales | |
| Pileus Prouts brown, stipe tomentose | C. 7-11 |
| Pileus onion shin pink, stipe silky | C. 7-25 |
| Pileus light ochraceous salmon to russet, stipe floccose | C. 7-11 |
| Pileus tomentose scaly to floccose | |
| Cuticle separable, pileus white | |
| Stipe white | C. subflavescens Murr. |
| Stipe cinnamong buff with Saccardo's umber scales | C. 4471 |
| Cuticle not separable | |
| Plant wholly white, disc slightly depressed | |
| C. 911 | |
| Pileus some shade of yellow or brown | |
| Stipe white, soon blackening; pileus buckthorn brown on a
warm buff background, margin sulcate striate | |
| Pileus buffy brown, gills close narrow adnexed black dotted | C. 8-21 |
| Stipe yellow or brown | C. 5368 |
| Gills white, distant, meruliod between, stipe silvery buckthorn brown | |
| Gills antimony yellow, crowded, narrow | C. 8-25 |
| Gills Naples yellow, subdistant, broad | C. 8-13 |
| Gills white to pale yellow distant meruliod between, stipe minutely squamulose
yellow | C. 8-22 |
| Gills white to pale yellow distant meruliod between, stipe minutely squamulose
yellow | C. chrysopeltis (B+C) |
| Pileus mahogany red to chestnut, umbonate, stipe white gills white with English red edge | |
| | C. 5028 |

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- Pileus velvety
Pileus unbonate
Pileus mahogany red in center, edges tan to blue, gills gray white with English red edges, adnected C. 5532
Pileus wood brown to buffy brown darker onumbo, gills thick, white, adnexed subdistant C. 5532
Pileus ochraceous orange to antimony yellow, gills lemon yellow, adnate, close C. 8-23
Pileus antimony yellow to yellow ochre, gills white, adnate, crowded C. 5128
- Pileus convex, not umbilicate
Pileus pinkish buff and cinnamon buff, stipe white above, chestnut or darker below C. 9-11
Pileus buckthorn brown or darker, stipe nearly black C. 9-11a
Pileus mars orange to burnt sienna, stipe yellow ochre to black C. 8-7
- Pileus umbilicate or at least flat with disc depressed
Stipe velvety, margins striate C. 8-23
Stipe burnt sienna to chestnut, pileus subburn to orange rufous, gill medium spacing C. 8-23
Stipe Prout's brown, pileus wine colored buff, gills subdistant C. 8-28
Stipe smooth, white except at base; margins not striate, gills close C. 8-29
Pileus Saccardo's umber to sepia C. 8-29
Pileus light brownish olive livid Irena's C. 7-23, 8-6
Pileus subburn to apricot buff C. 7690
- Pileus smooth, neither viscid nor velvety nor wd. Irena's
Pileus white or nearly so, not differently colored on the disc, gills white
Pileus unbonate
Gills close, adnate, medium width, margin not striate C. 9-11
Gills crowded very narrow C. 4643
Pileus convex to expanded, not umbilicate's subdistant
Gills broad, adnate, pileus 4-8 cm. solid white without
Gills narrow, pileus 1-3 cm, margin not striate
Gills adnexed, close; pileus 1-1.5 cm, stipe gray to fuliginous
2-3 cm x 1 mm C. muscicola
Gills adnate, subdistant, pileus 3 cm, stipe white compressed,
2.5 x 4 mm C. 7-29
Pileus flat, 4 cm, gills narrow, close, ventricose, nearly free,
stipe white 12 cm x 4 mm very thick C. 8-15
Pileus flat to convex, center depressed, 6 cm., gills broad, distant,
adnate, stipe white becoming minutely velvety 6 cm x 4 mm C. 7-25
- Pileus convex to flat, center depressed, 5-8 cm, gills narrow, crowded,
nearly free, stipe isabella to testaceous rough with scales
pointing upward, 3 cm x 3-4 mm C. Bostryana
Pileus convex center deeply umbilicate, 1.8 cm, gills broad, close
adnate, stipe white, 2 cm x 2 mm. C. 7-30
- Pileus some shade of purple, blue or green
Pileus deep azure (53), glabrous, gills broad, deep azure blue C. cyanocephalus
Pileus dusky green-gray (35") fibrillose, pellicle separable, gills
narrow, white C. 7670
Pileus lime green (25"), disc tawny (13') or lighter, gills narrow
white C. 4983
Pileus dull lavender to dark lavender, gills narrow, white
C. 9-11

9. The School shall be administered by an ADMINISTRATIVE COMMITTEE of three sets of parents elected by a general meeting of all parents in January of each year to serve for one year.

The committee shall divide its work among its members as it sees fit.

Withdrawal by members of the committee of their child from the school automatically acts as their resignation from the committee.

In case of resignation from the committee, the remaining members shall elect successor members to serve until the next general meeting of parents.

The committee shall follow directions given by vote of the parents at any general meeting.

Action of the committee may be rescinded by vote of a general meeting of the parents.

10. GENERAL MEETINGS of the parents shall be held in September and January of each year and upon call of the committee.

11. These by-laws may be AMENDED at any time by vote of a general meeting of parents.

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Collybia
of Hygrophorus (entypus)

Pileus viscid, white with a few brown patches of universal veil, 3 cm., white; margin not striate, flesh very thin, almost membranous; gills broad, white, adnate, subdistant; stipe slender, cartilaginous, 3 cm # 2 mm., tapering downward, smooth white; spores white

Specimens examined:

Costa Rica, Limon, Rose Hill above Rio Pacuare, Alt 100m., Catt, Dodge,

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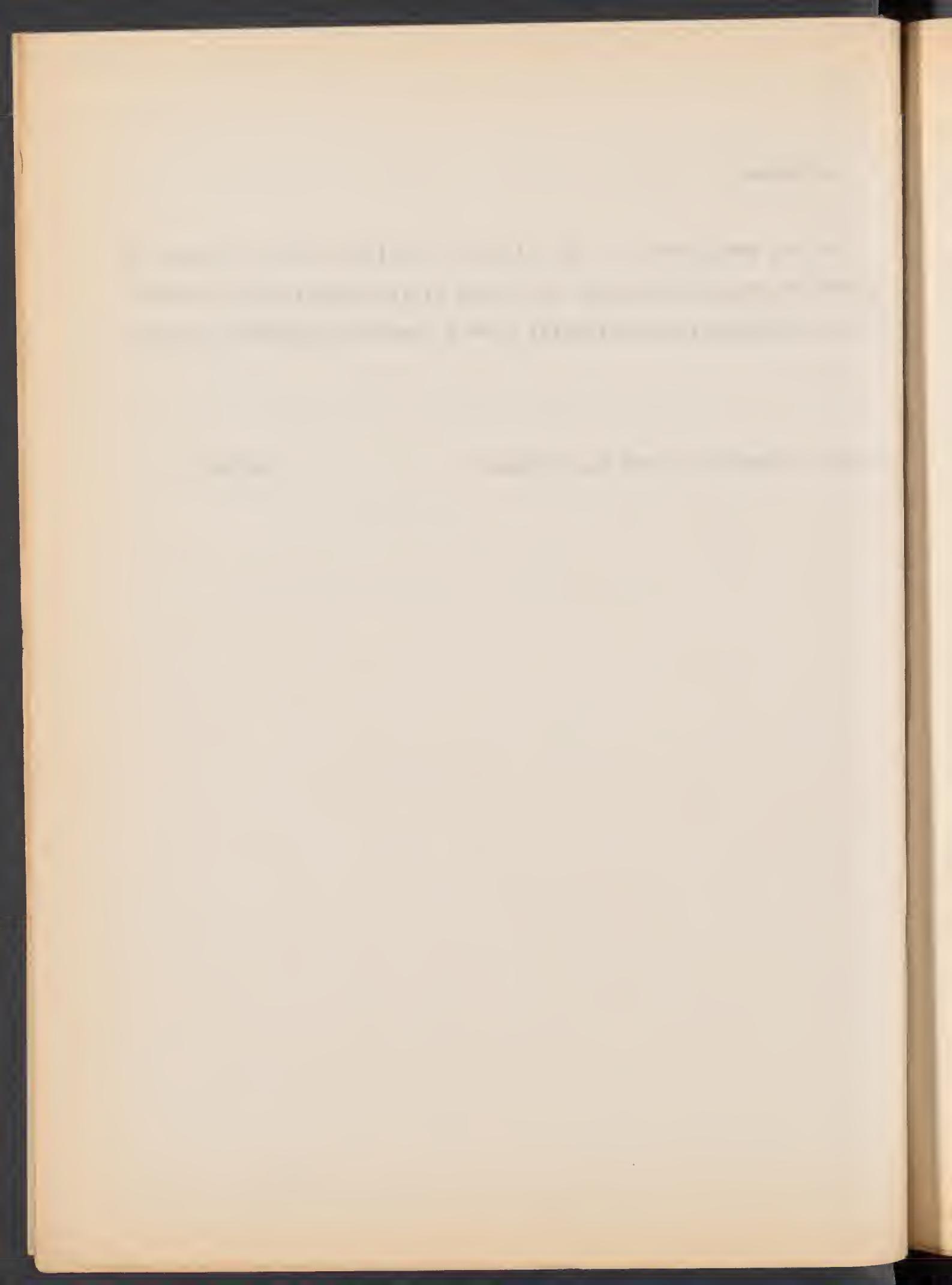
H

Collybia

Pileus hemispheric, 1 cm, viscid, umbilicate with tiny umbo in depression, margin inrolled, old gold; gills crowded narrow adnate white or concolor; stipe viscid, 5 cm x 2 mm cartilaginous concolor

Heredia, Chahuites, 1600 m., Goerger

9-11-36



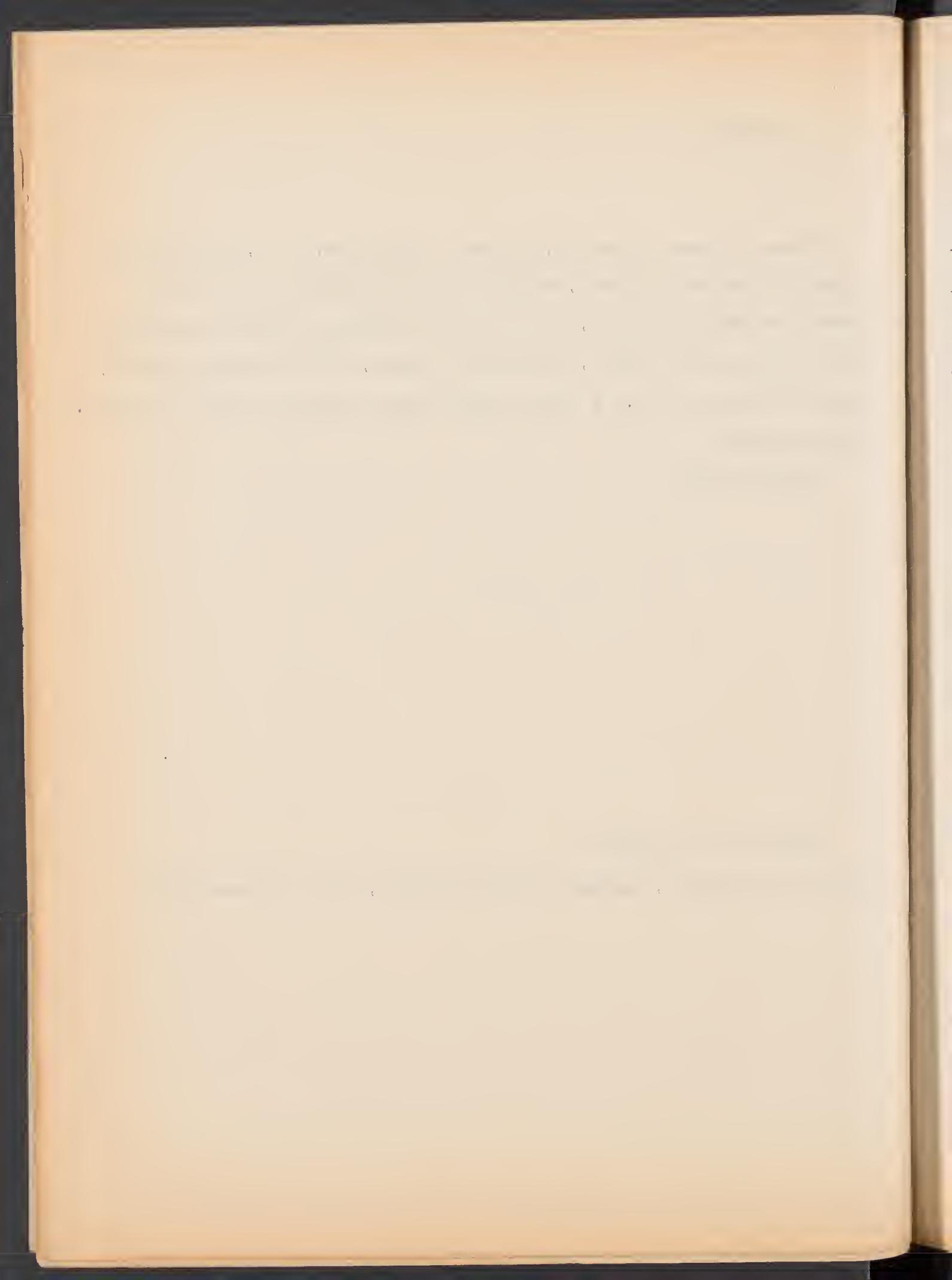
Collybia

Pileus viscid, expanded, slightly depressed, 6 cm, margin very slightly, coarsely striate, surface with dresden brown areolate remains of universal veil, cartridge buff shading to white margins; flesh watery; gills thick, subdistant, broad, white, sinuate adnate; stipe cartilaginous 3.5×4 mm, tough, equal ending in bulb 9 mm diam. silky shining.

On dead wood

Specimens examined:

Costa Rica: Cartago, Laguna de Bonilla Dodge, Catt & Thomas 5868



Collybia

(Pleurotus)

Pileus 5 cm, margin narrowly striate, smooth, white to vinaceous buff, dotted more or less concentrically with tufts of universal veil which are avellaneous in color; gills ventricose sinuate adnate with decurrent tooth, white subdistant; stipe central appearing lateral from position of growth, fleshy, 3 cm x 3 mm, white pruinose furfuraceous, base bulbous

Rotten branch on recently felled tree

SanJosé, R. Paquita, 2 m., Dodge & Goerger

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Collybia

Pileus viscid, pure white, margin slightly striate, 4 cm; gills subdistant, broad, white, adnate; stipe somewhat fl sh, cartilaginous tapering downward 8 x 4-3 mm, white.

Same locality Aug 27 has floccose scales like Amanita on pileus, margins striate to disc stipe mate fibulose 4 cm x 4 mm.

Costa Rica: Puntarenas, Osa, ~~Ri~~Estero Sandalo 5-20 m, Dodge 7716 Dodge +
Goergen Aug 27.

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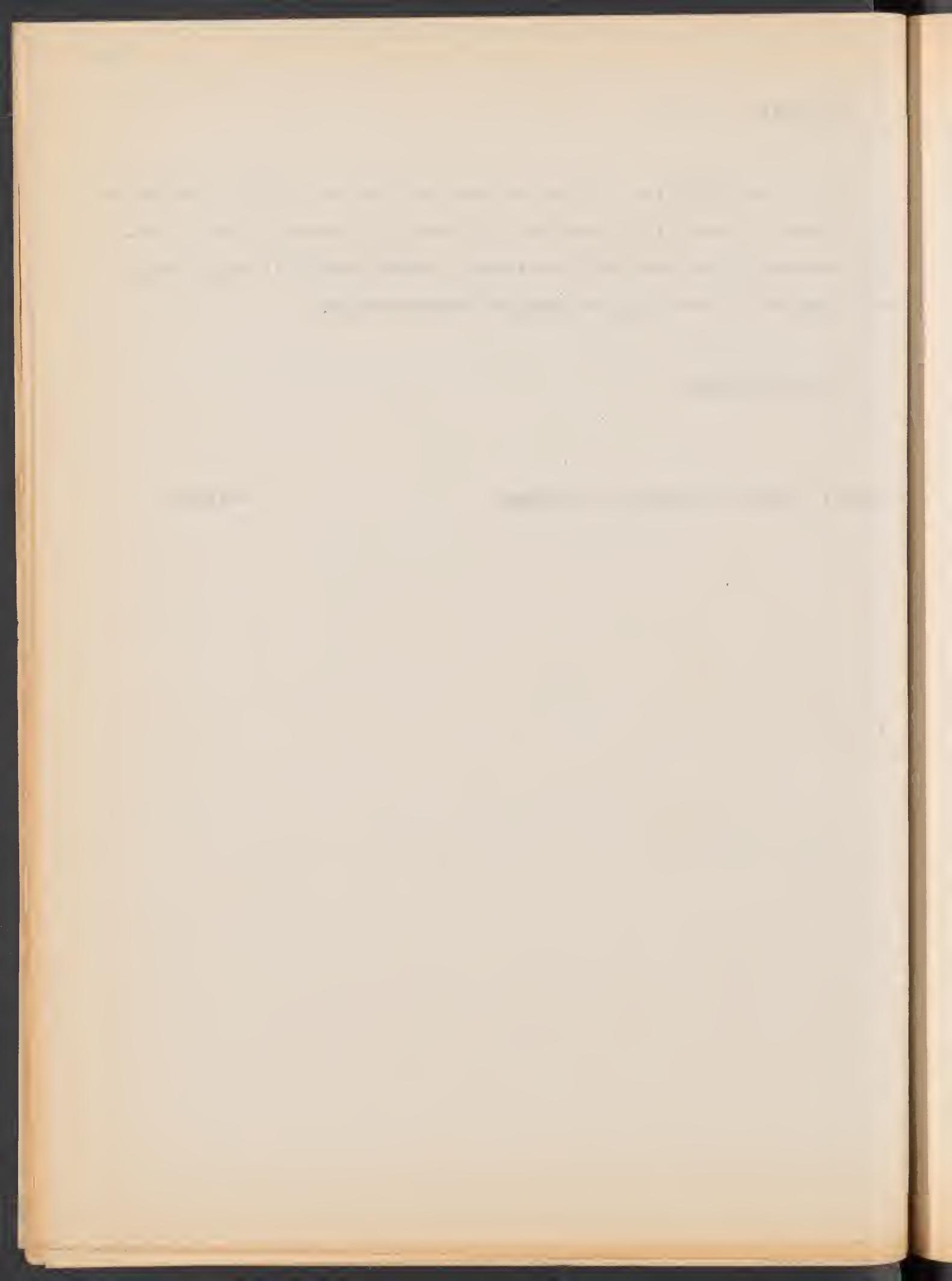
Collybia

Pileus hemispheric, viscid, sulcate striate over gills, umbonate,
umbrella Dresden brown, light cadmium, ¹⁷¹⁹ striate with dresden brown, 2 cm.,
gills adnate, light cadmium, ¹⁹ subdistant, broad; stipe 11 cm x 3 mm.,
cartilaginous, viscid, light cadmium, ¹⁹ darker below.

Very cespitose

Heredia, Chahuites, 1600 m., Goerger

9-11-36



Collybia

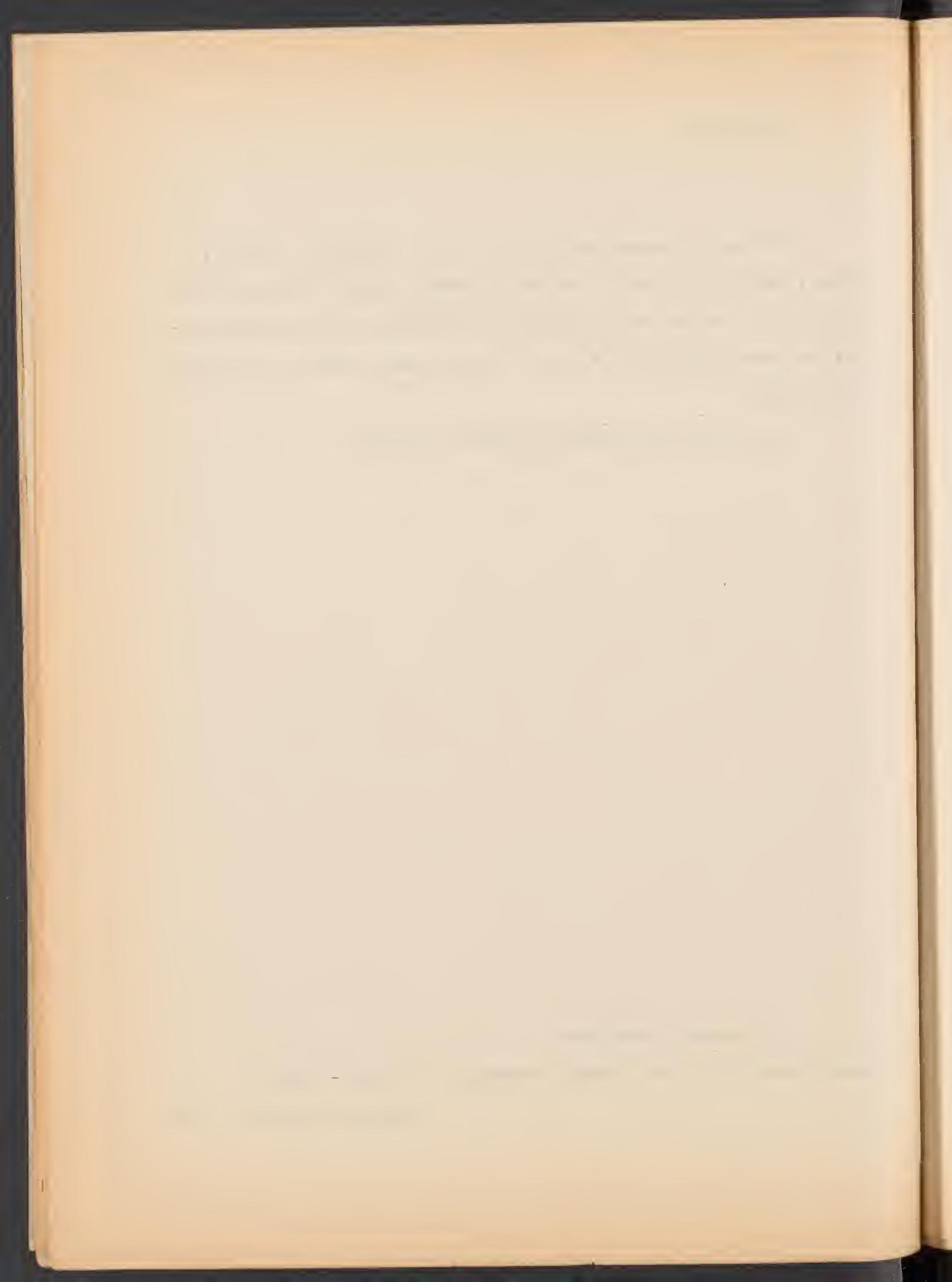
Pileus expanda, striate, 4 cm., Saccardo's umber,¹⁷⁴
moist, subviscid; gills, white, crowded, adnate, nearly free,
ventricose; stipe shining, tapering downward; pale chalcedony-²⁷⁴
yellow, cartilaginous, 3.5 cm. long, 5 mm. above, 5 mm. below,
fibrillose.

Mossy log in potrero, south of house.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160-2180 m.

Dodge & Thomas, 5062



Collybia

Pileus up to 9 cm, watery, viscid, between wood brown and ~~buffy~~ brown, lighter on coarsely striate margin; gills broad, white, sinuate adnate, subdistant; stipe cartilaginous stuffed, white 4.5 cm x 5-7 mm surface dull ~~rough~~ equal with bulbous base 13 mm somewhat compressed.

Cespitose on dead wood

Specimens examined

Costa Rica: Cartago, Laguna de Bonilla, Dodge, Catt & Thomas 58629

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Collybia velutipes group

Pileus expanded, viscid, 3cm., margin striate, chestnut, slightly
lighter at margin

17d

Gills sinuate, adnate, ventricose, close, Naples yellow stained
yellow ochre on edges

Stipe 2cm. x 3mm., dense, velvety tomentose, mummy brown or darker

17m

Solitary on decaying log

Costa Rica, San José-prov., Rancho Redondo, 2150m.

7-11-36

Dodge & Goerger

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Collybia velutipes group

Pileus 4 cm., nearly flat, margin striate, sulcate, surface viscid,
disc Sanford brown, rest raw sienna; gills with small cross gills, adnate
subdistant, medium width, baryta yellow; stipe ^{2.5} velvety, 6 cm x 2.5 mm,
tough, cartilaginous xanthine ^{3.4} range to Argus brown ^{3.5}

San José, Paquita Hill, 15 m., Dodge & Goerger

8-15

the same time, the author has made a
few changes in the original manuscript.
The first change is in the title of the
first chapter, which is now "The
Author's Note".

Collybia velutipes group

Pilei up to 2.3 cm, viscid, disc ochraceous orange shading irregularly to Naples yellow, ^{9'd} margin thin, smooth; gills ventricose, adnexed, subdistant, white; stipe cartilaginous fragile, velvety cream above shading to mummy brown ^{17'm} below, 2 cm x 2 mm,

Cespitose on decaying Erythrina post in front yard

San José, Guayabillos 2250 m., Dodge & Goerger

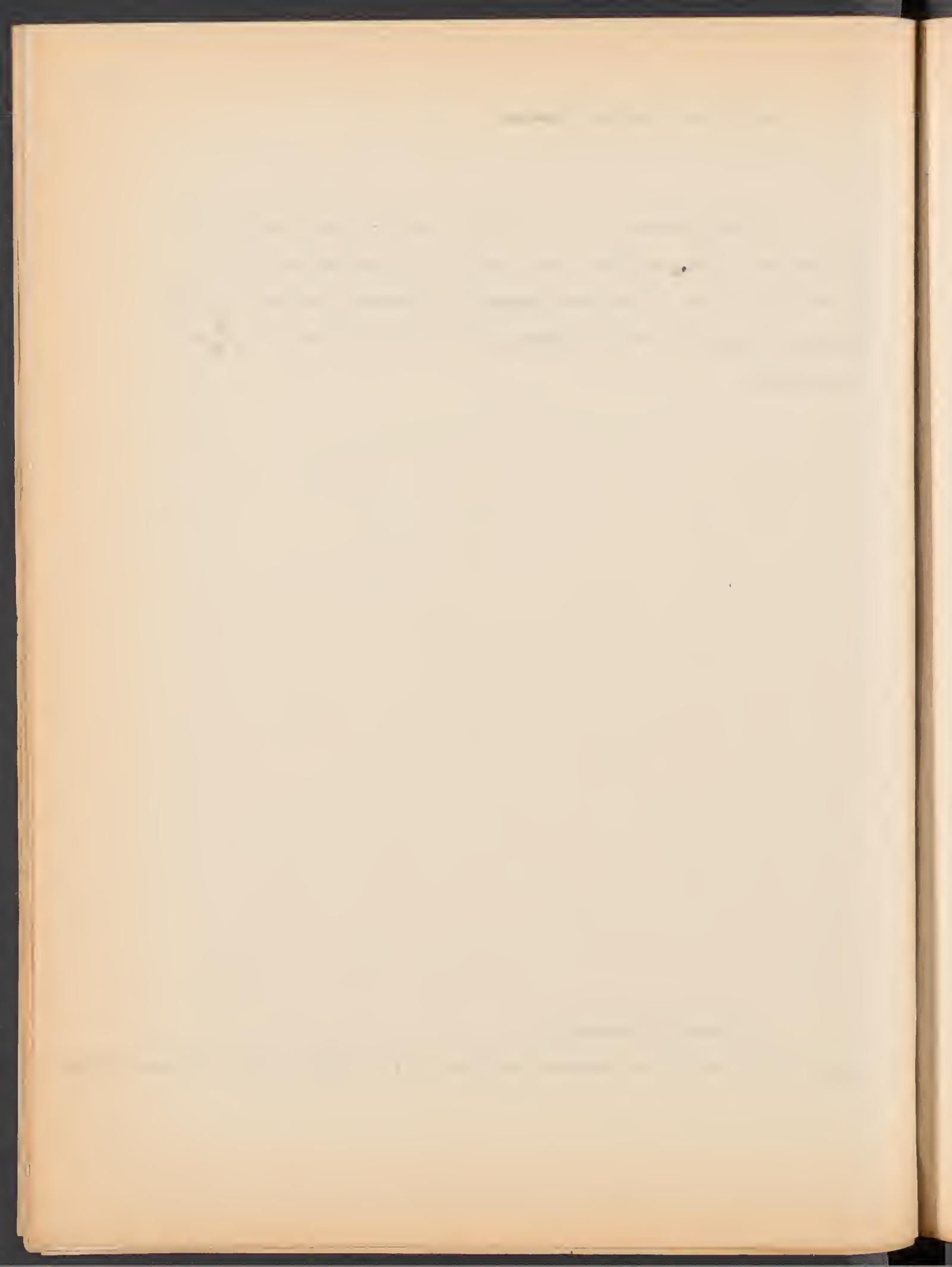
7-16-36

Collybia velutipes? group

Pileus convex, 2 cm., viscid, amber-brown, shading to
antimony-yellow ^{17/8} margin; flesh thin, yellowish; gills adnate,
closeventricose; stipe cartilaginous, slender, velvety, Mars ¹³,
brown, shading to yellow above, 13 mm. long 2.5 mm. diameter,
caespitose.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2300m. Dodge & Thomas 5308



Collybia velutipes group

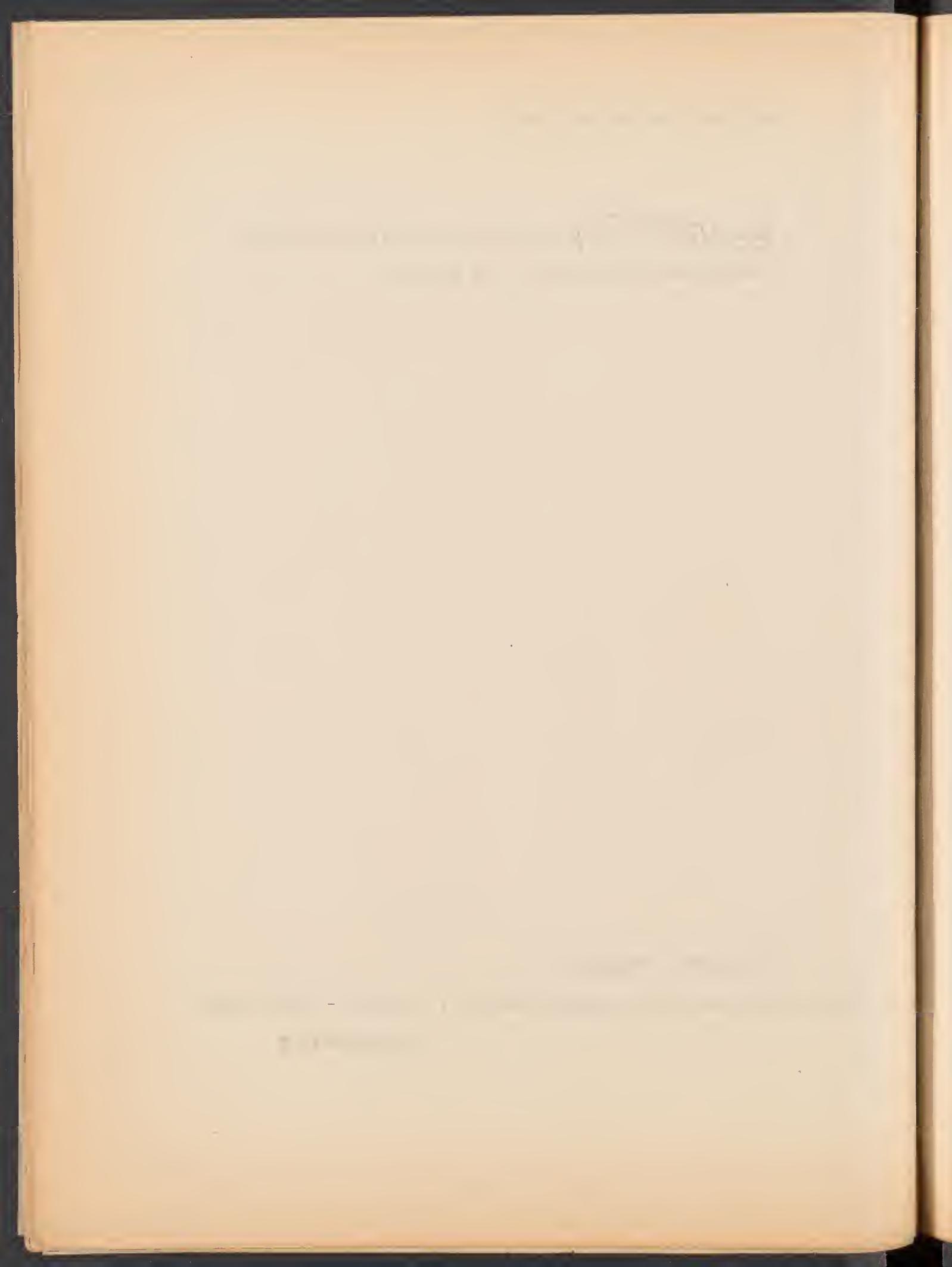
[Stipe] caespitose, viscid with velvety tomentum.

Dead wood in potrero S. of House.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt 2160-2180. Dodge &

Thomas 5309



Collybia velutipes group

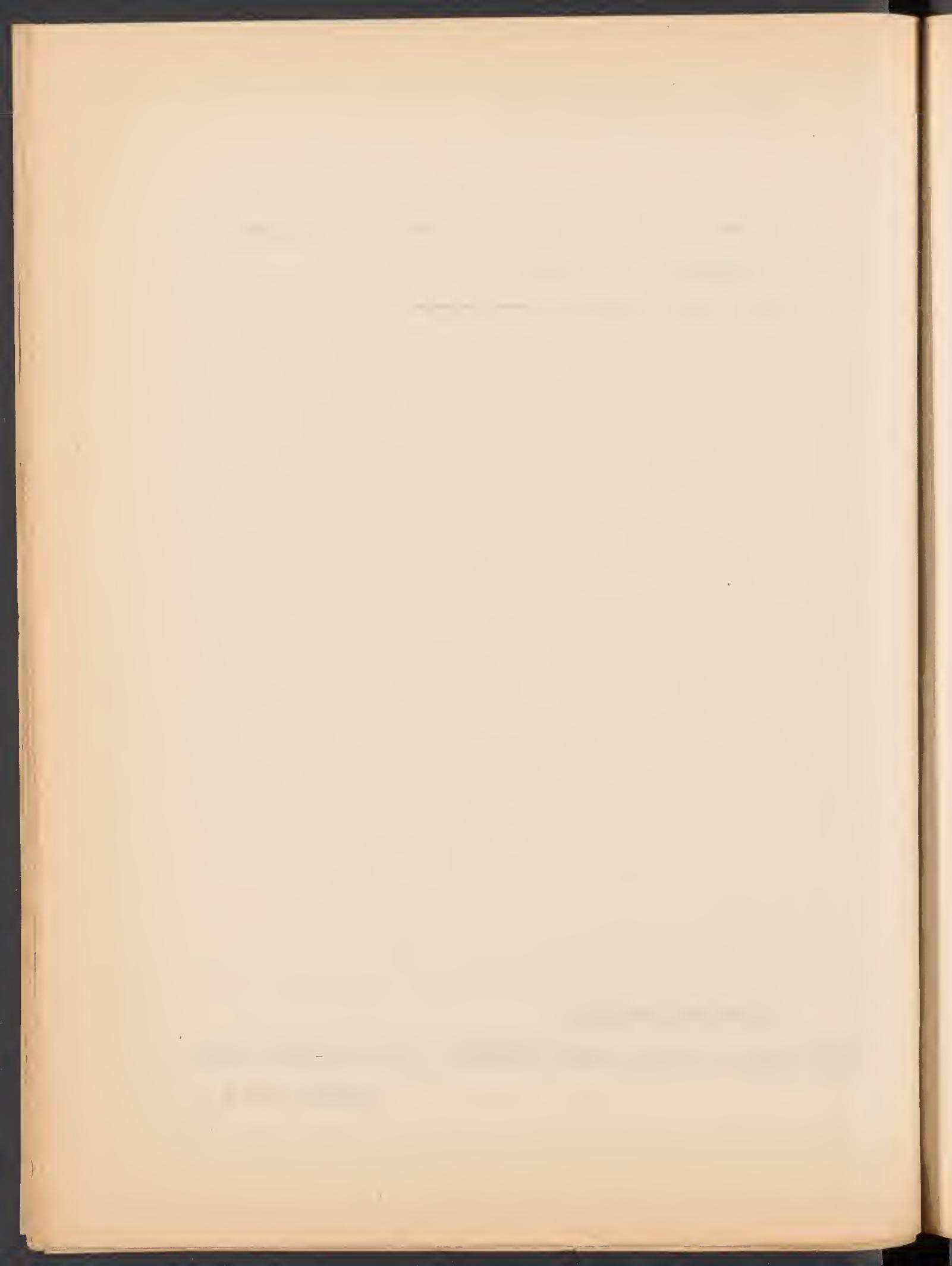
1878
Pileus viscid, lighter color; stipe much longer, less densely cespitose, less densely velvety.

Dead wood in potrero ~~S. of House~~

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160-2180 Dodge &

Thomas, 5310



Collybia velutipes group.

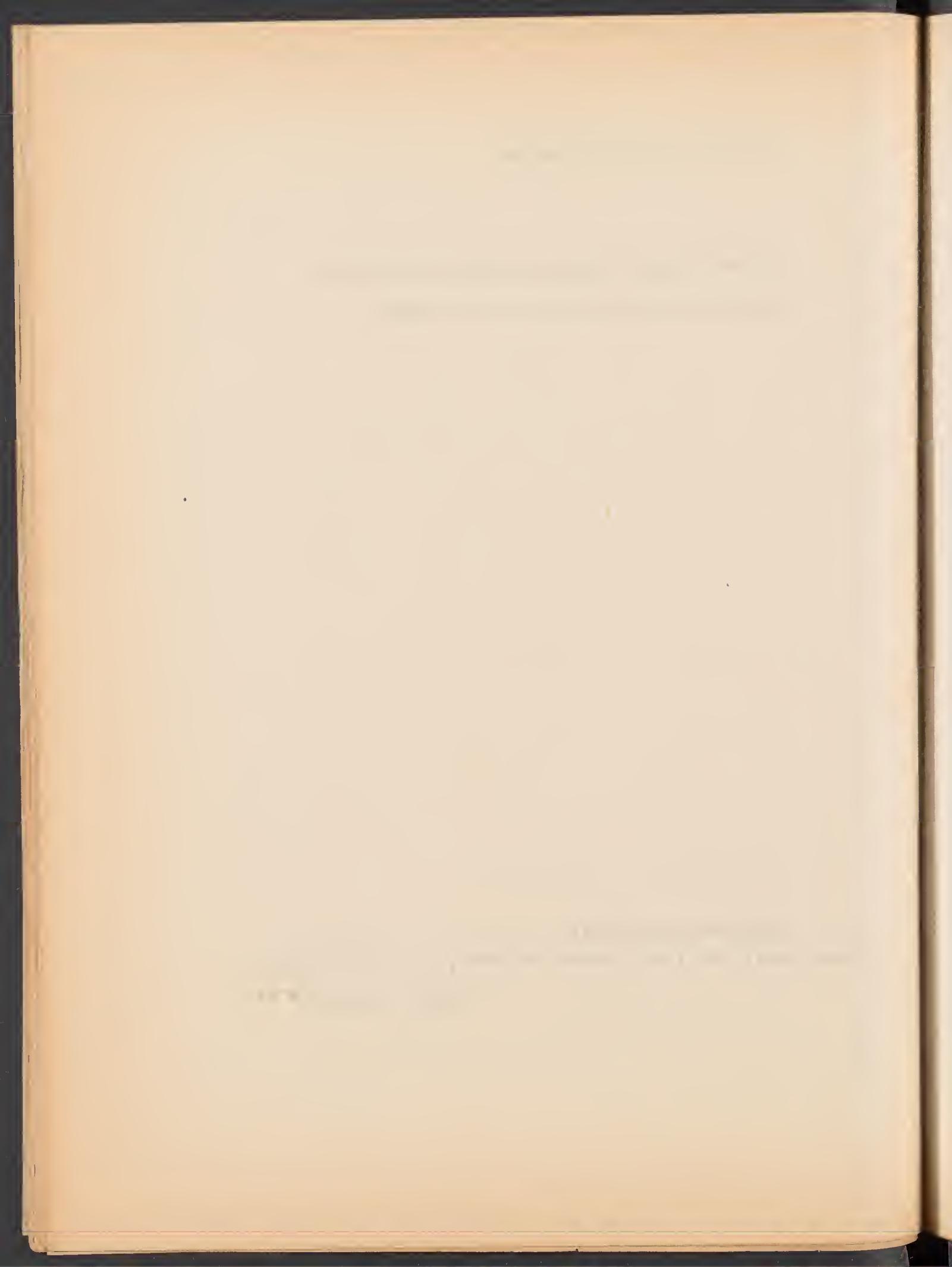
Pileus viscid; stipe velvety; caespitose.

On dead wood in potrero S. of house.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160-2180m.

Dodge & Thomas 5311



Collybia ~~lutea~~

Pileus flat, 5.5 cm, moist, almost glutinous, shining perhaps slightly fibrillose when dry, striate but not sulcate over gills, pale olive buff to white; gills adnate subdistant, ventricose, white; stipe 3 cm x 4 mm, cartilaginous, quite tough, silky, compressed.

In soil on creek on tram east of Guacimo bridge

Limon, Siquirres, Castilla, 20 m. F. Nevermann

and the author's name is not mentioned. The book is bound in worn, yellowish-brown leather with gold-tooled decorations on the front cover and spine. The spine has the title 'THE HISTORY OF THE ENGLISH PEOPLE' and the author's name 'H. H. BRADLAUGH'. The front cover also features gold-tooled decorations, including a central emblem and a border around the edges.

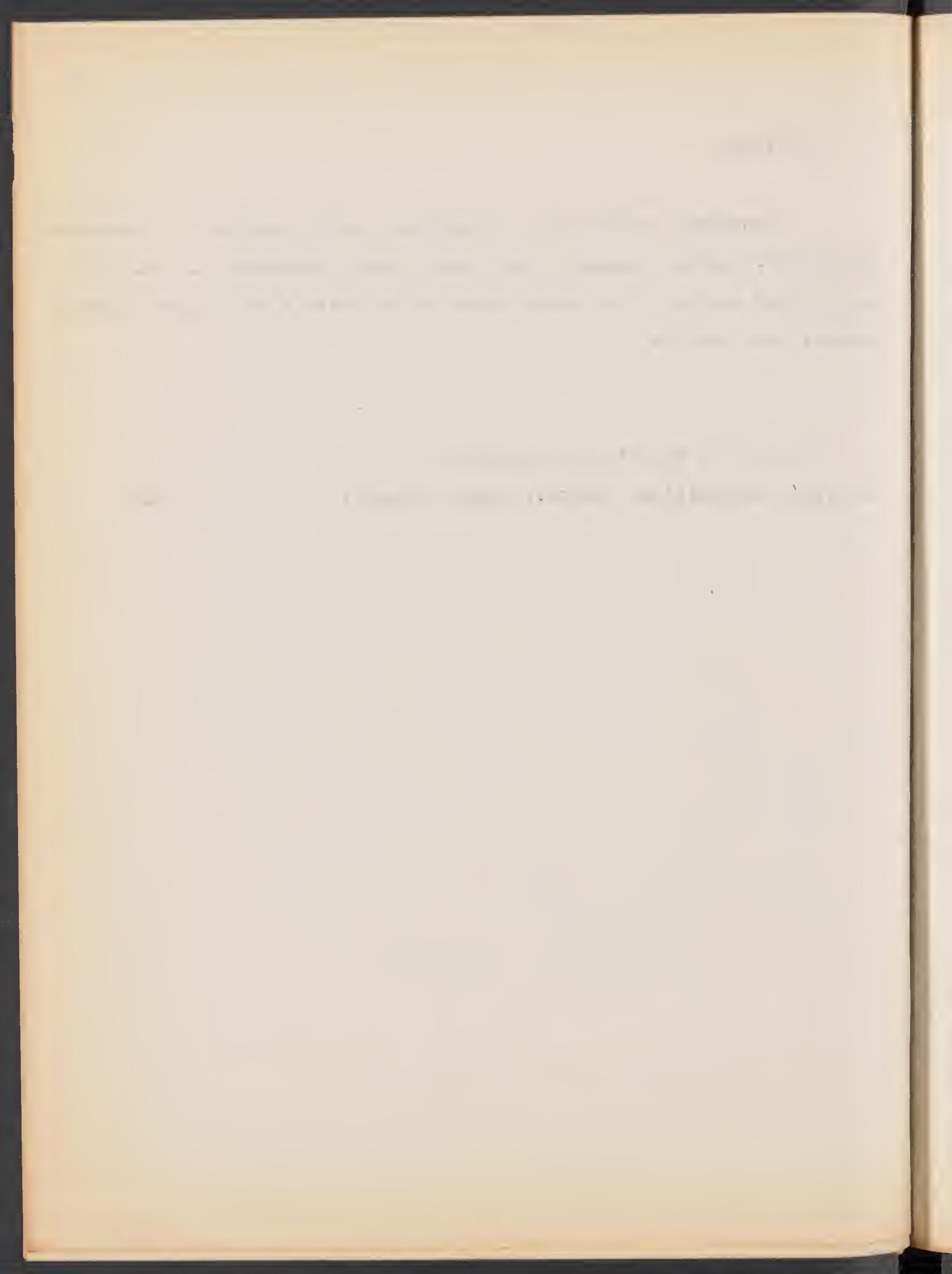
Collybia

Pileus mars brown before laceration, conic expanded with prominent conic umbo, surface lacerate fibrillose, margin lacerate, 2.5 cm, 1 cm tall, gills adnate, white close, broad, stipe white 5 cm x 5 mm, tapering upward, very fragile

On soil in forest along quebrada

Sra José, Guayabillos, 2300 m., Dodge & Goerger

7-10



Collybia tenuipes group

Pileus hemispheric, 1cm., densely scaly with pyramidal tufts of hairs,

Prout's brown

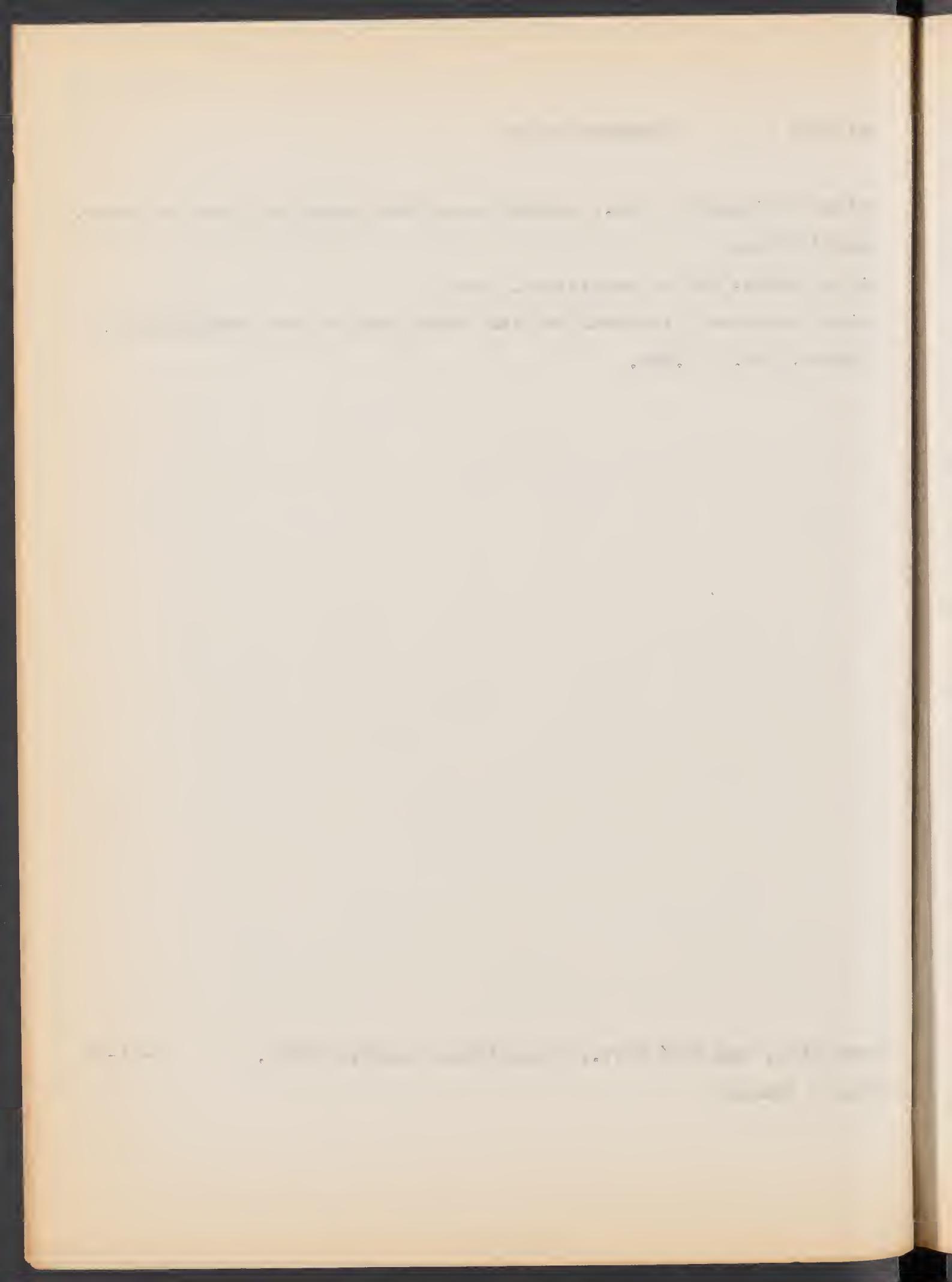
Gills adnate, white, subdistant, broad

Stipe tomentose, floccose, whitish above more or less concolorous or
lighter, 2cm. x 1.5mm.

Costa Rica, San José prov., Guayabillos, potrero 2200m.

7-11-36

Dodge & Goerger



Collybia

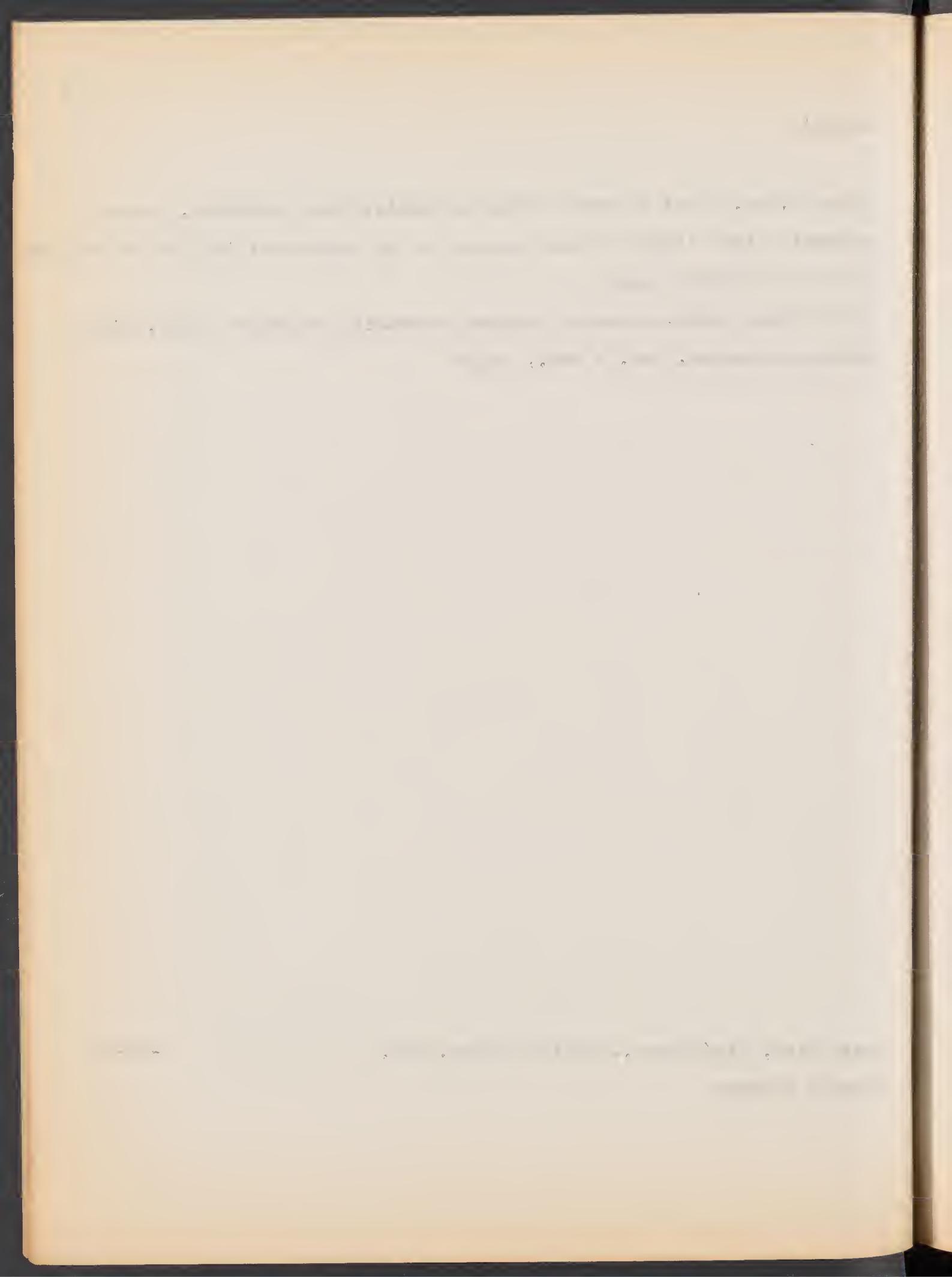
Pileus 2.8cm., flat or very broadly umbonate; disc pyramidal, scaly, onionskin pink; lighter toward margin due to growth pulling the colored ~~hair~~ hair tufts further apart

Gills close, broad, sinuate, adnexed to nearly free white stipe, light ochraceous salmon, 3cm. x 3mm., silky

Costa Rica, Limón prov., Castilla farm, 20m.

7-25-36

Dodge & Goerger

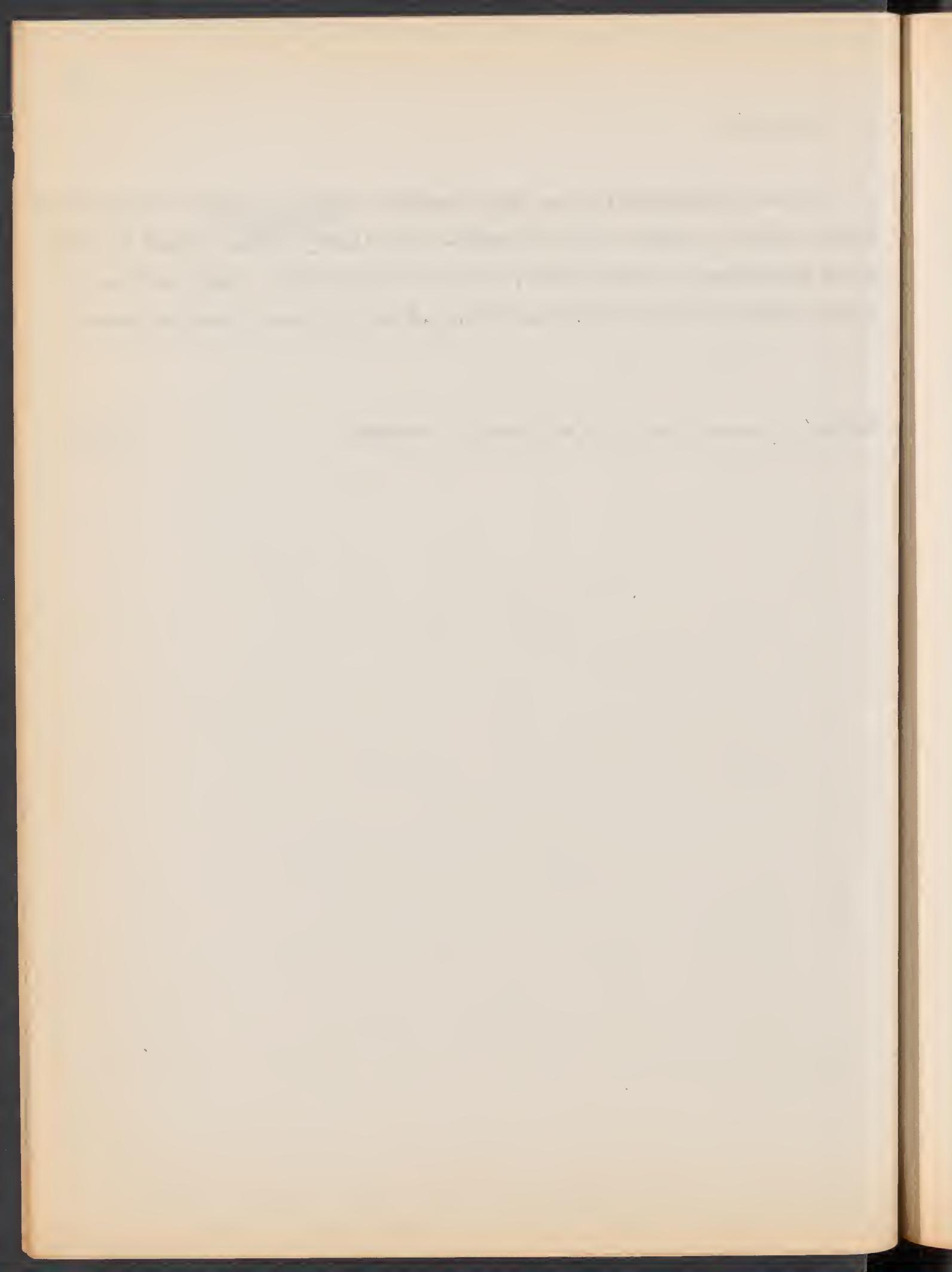


Collybia

Pileus hemispheric, 3 cm, hygrophanous, disc decorated with pyramidal tufts of hairs, margin striate smooth, disc light ^{ochraceous} salmon, margin russet; gills subdistant, adnate, broad, white; stipe floccose light ochraceous salmon, becoming russet when handled, 3.5 cm x 5-7 mm, tapering upward

SanJosé, Guayabillos, 2200 m., Dodge & Goerger

7-11-36



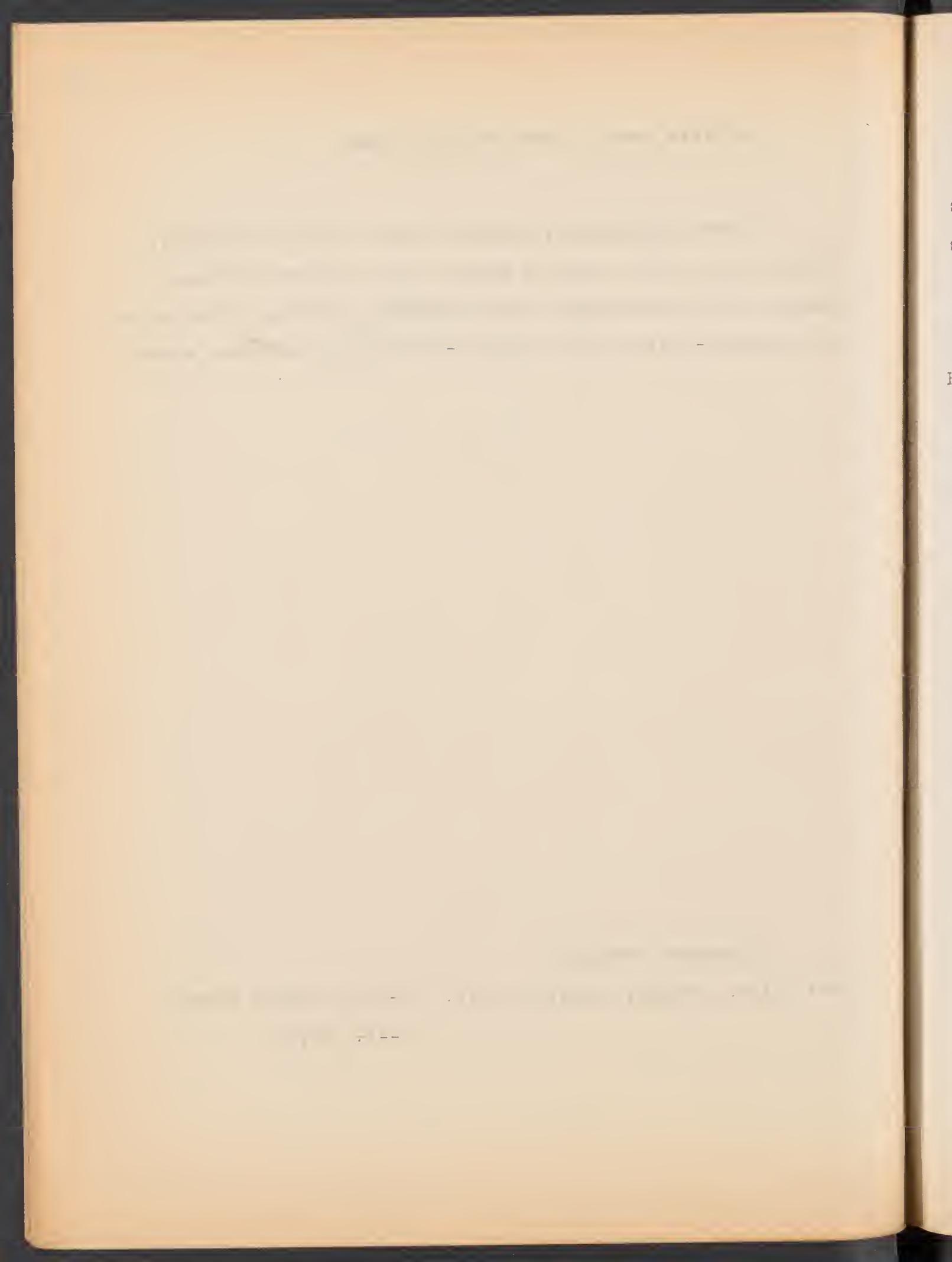
Collybia near *C. subflavescens*. Murr.

Pileus campanulate, minutely scaly, cuticle separable, flesh 2 mm. on disc, thin at margin; gills narrow, crowded, nearly free; stipe slender, cartilaginous, stuffed, silky above, furfuraceous-scaly below, cinnamon-buff with *Saccardo*umber sclaes.

Specimens examined:

Costa Rica, Cartago, Pejivalle, Alt. 650-820, Dodge & Thomas

Alt. 4471



Collybia

101

Pileus white, hemispheric, 1 cm disc slightly depressed, and scaly, rest fibrillose spongy; gills broad, adnate, white, close, stipe 4 cm x 2 mm, white cartilaginous, hollow

Heredia: Chahuites, 1600 m., Goerger

9-11-36

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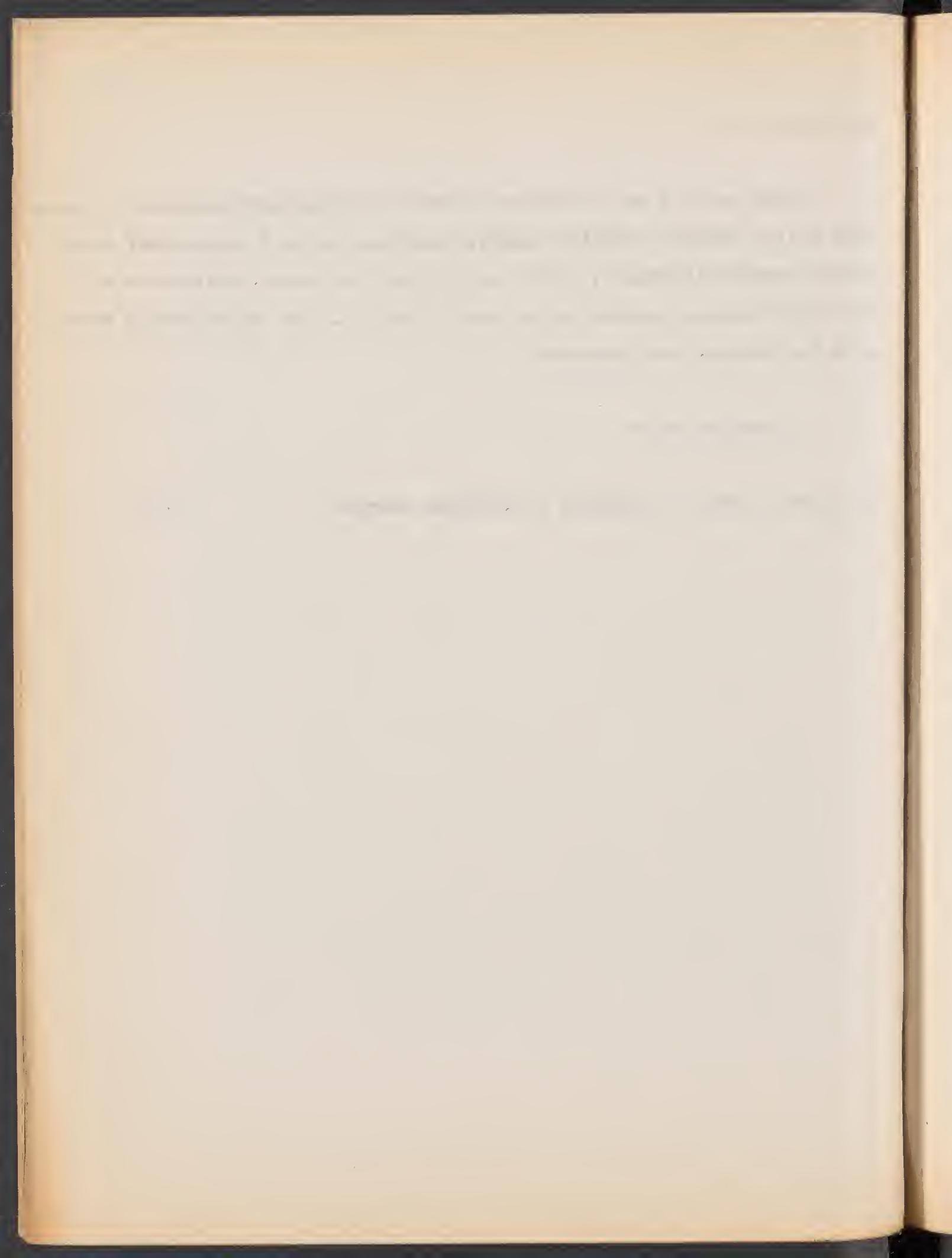
Collybia A nea CSD 2.

Pileus up to 4 cm in diameter convex to irregularly expanded, sulcate over gills, surface tomentose scaly, buckthorn brown ~~on~~ a warm Buff background, margin irregular; gills very distant and broad, white more or less watersoaked, adnate; stipe short, 2 cm x 2.5 mm, hygrophanous white soon blackening, cartilaginous

On decaying stick

Puntarenas, Osa, R. Sándalo, 2 m. Dodge & Goerger

8-21



Collybia

Pileus tomentose, buffy brown quickly blackening, convex up
to 3 cm diam; gills adnexed, close white, soon blackening in spots
narrow; stipe flattened, subterete below tomentose pruinose,
black 5 cm x 5 mm

Specimens examined:

Costa Rica: San Jose, Rancho Redondo Dodge & Thomas 5368

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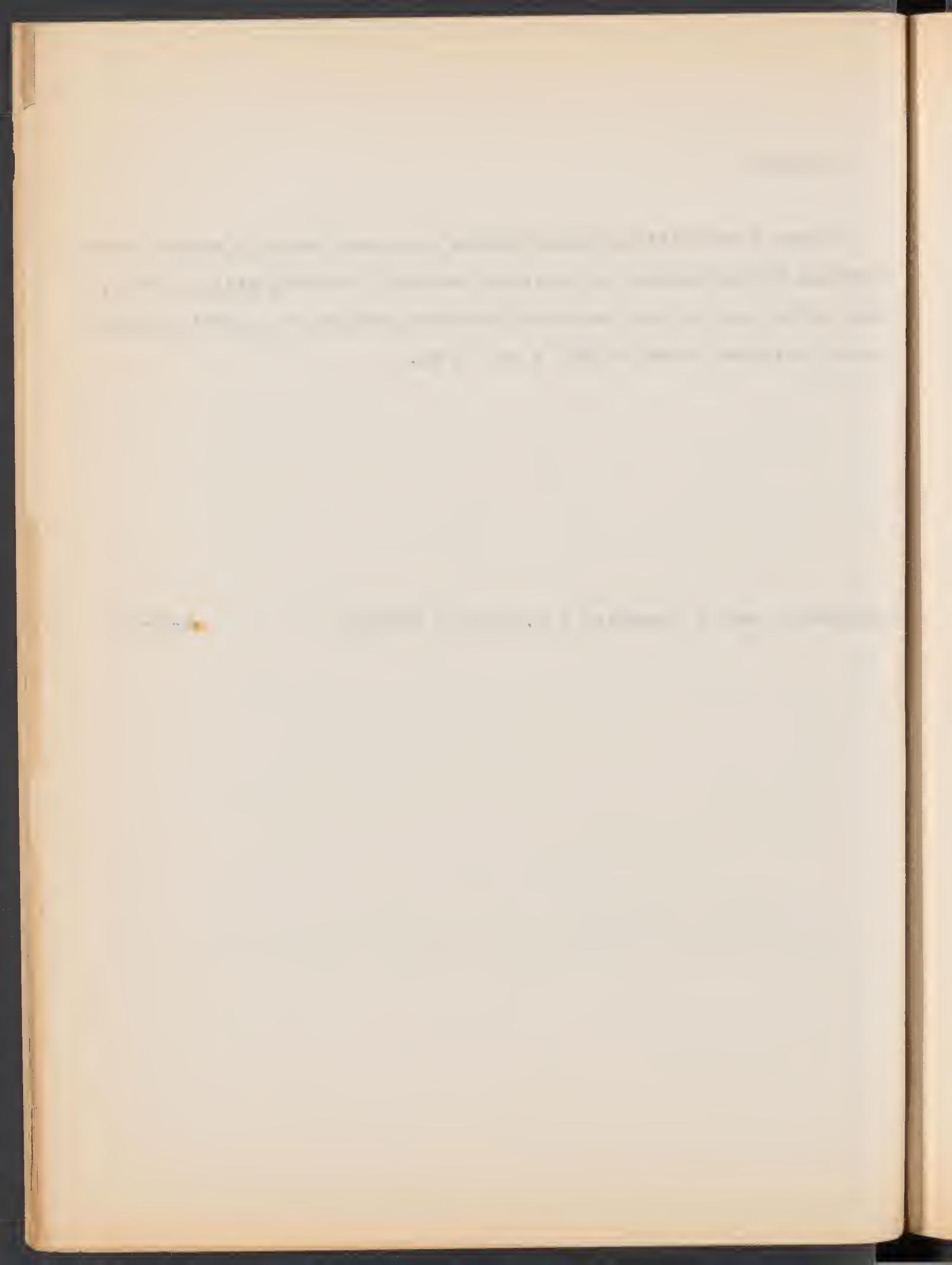
Pu

Collybia

Pileus 3 cm, flat strigose velvety disc mars brown to mummby brown to buckthorn brown, margin very slightly coarsely striate; gills distant, broad white more or less meruliod between, adnate; stipe cartilaginous tough, buckthorm brown, silky, 4 cm x 2 mm.

Puntarenas, Osa, R. Sandalo, 2 m. Dodge & Goerger

8-25-36



Collybia nearest C. setulosus (See painting 4472)

Lameillae narrow, crowded, nearly free, prominently umbo-
nate, gibbous.

Specimens examined:

Costa Rica, Cartago, Pejivalle, Alt. 650-800m. Dodge & Thomas 4472

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2

Collybia

Pileus 2-3 cm, convex to nearly flat, surface tomentose, short margin even, disc buckthorn brown shading through yellow ochre to antimony yellow, subhygrophanous; gills crowded, narrow, antimony yellow stipe yellow ochre, cartilaginous tough, slightly velvety above, very faintly fibrillose, 2 cm x 2 mm

On very rotten log

San José, R. Paquita, 3-5 m., Dodge & Goerger

8-13

C
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Collybia

Pileus 1.5cm., spongy, tomentose; disc ochraceous orange; rest Naples yellow, ~~white~~

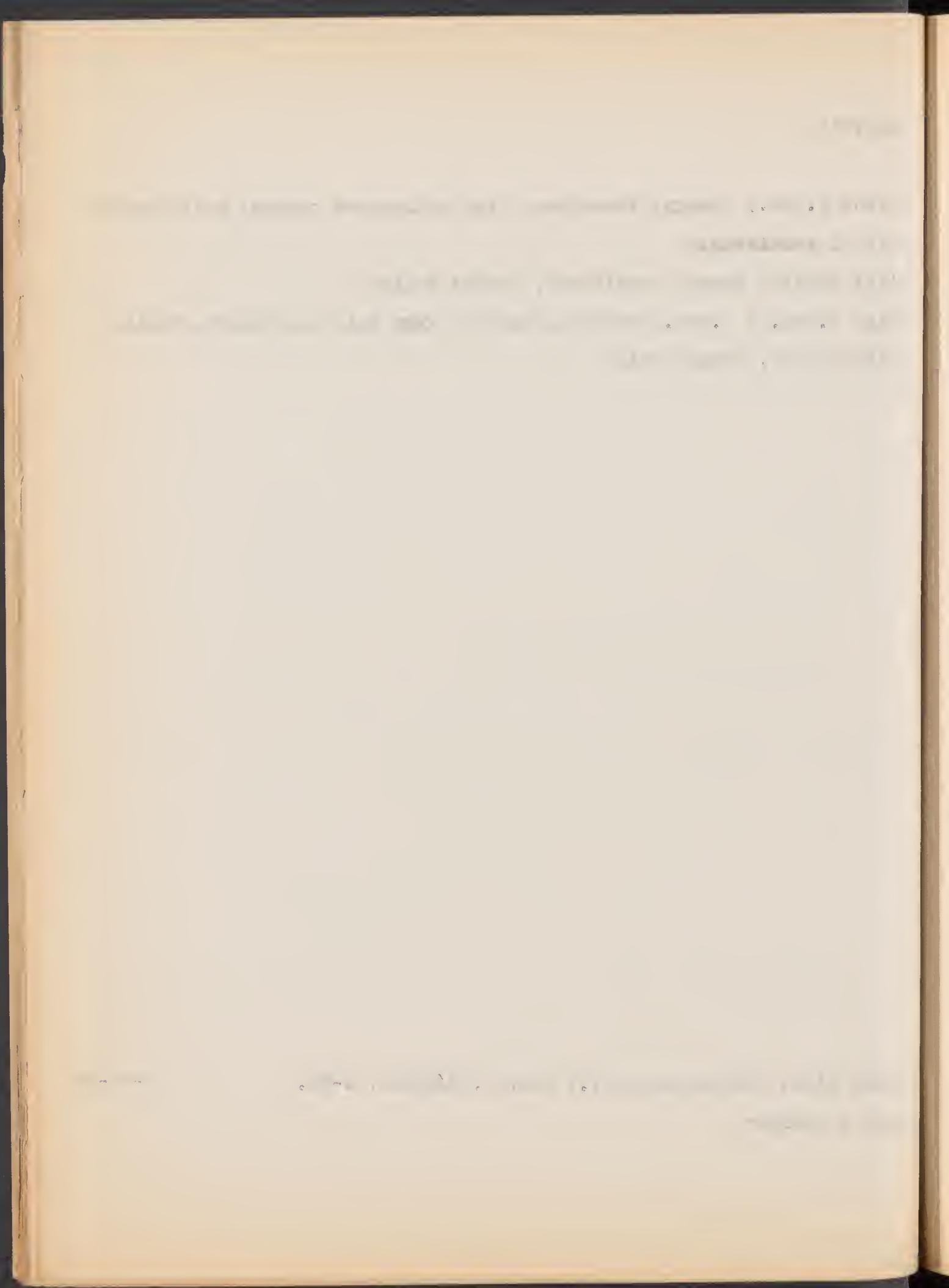
Gills adnate, broad, subdistant, Naples yellow

Stipe 3.5cm. x 1.5mm., slightly bulbous ~~near~~ below and above, Naples yellow above, deeper below

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m.

8-22-36

Dodge & Goerger



Collybia
Marasmius cf *Berteroi*
haematocephalus

Pileus 3.5 cm., campanulate with prominent, rounded umbo, velvety, tomentose, almost membranous, mahogany-red with umbo bay to chestnut; gills very broad, adnexed, waxy-white with English red edge; stipe hollow, fragile, white, shading to bay below; stipe 9 cm. # 3.5 mm.

Under Quercus

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250m., Dodge & Thomas

5028

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P

Collybia?

Pileus hemispheric, margin inrolled, conic umbonate, umbo disappearing in age, hygrophanous, umbo ochraceous orange, rest antimony yellow, very minutely velvety; gills adnate, close, narrow, lemon yellow stipe cartilaginous tough, 2 cm x 1.5 mm lemon yellow, silky fibrillose

Puntarenas, Osa, R. Sáñalo, 2 m. Dodge & Goerger

8-23-36

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Collybia

Mycena

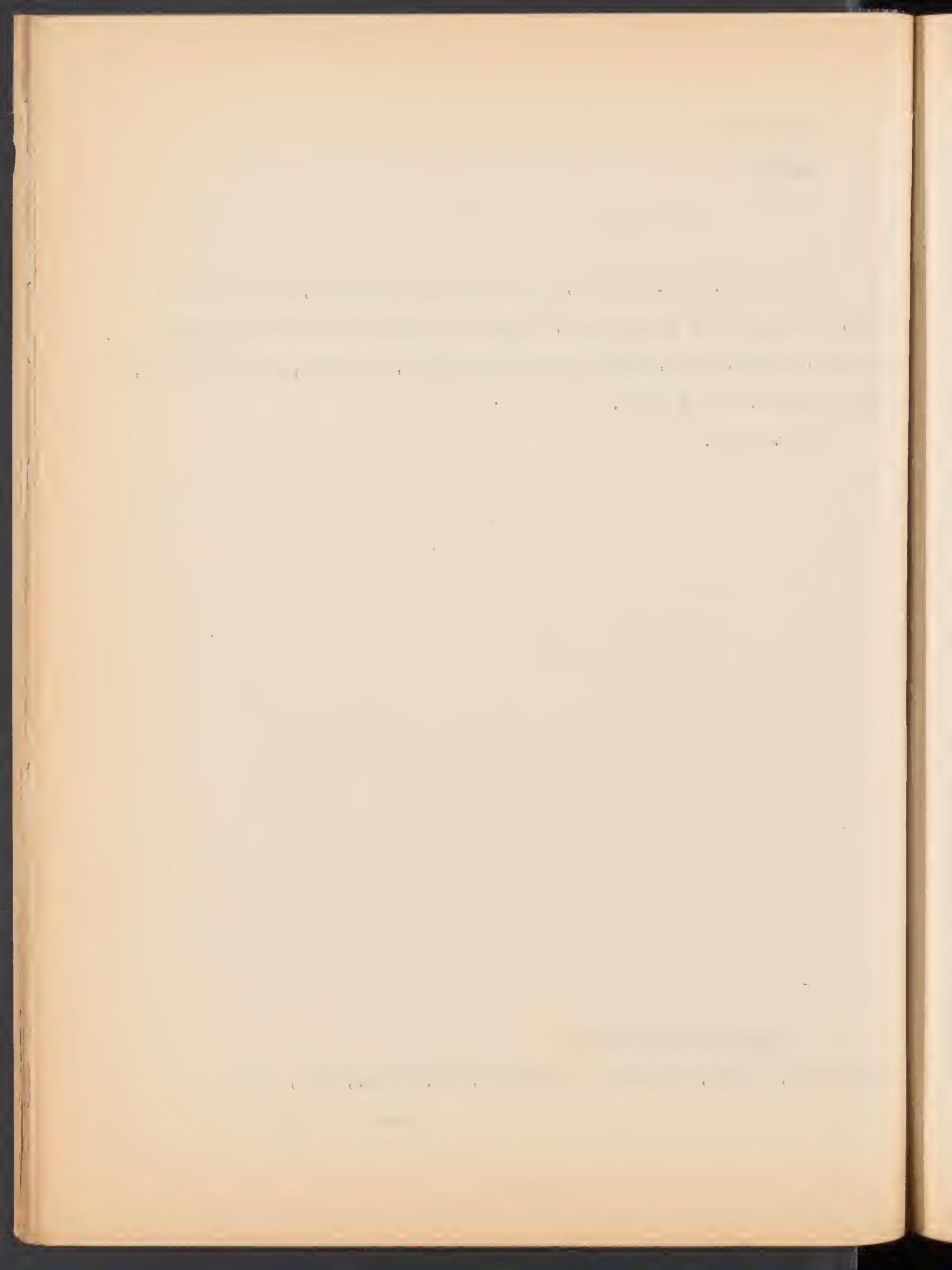
Pileus 2.5 cm., convex, very slightly umbonate, slightly velvety, wood-brown to buffy-brown, slightly darker on the umbo; gills adnexed, thick, white, subdistant; stipe white, slender, cartilaginous, compressed 2.5 cm \times 2 mm.

Dead wood.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 300m., Catt, Dodge &

Thomas 5532



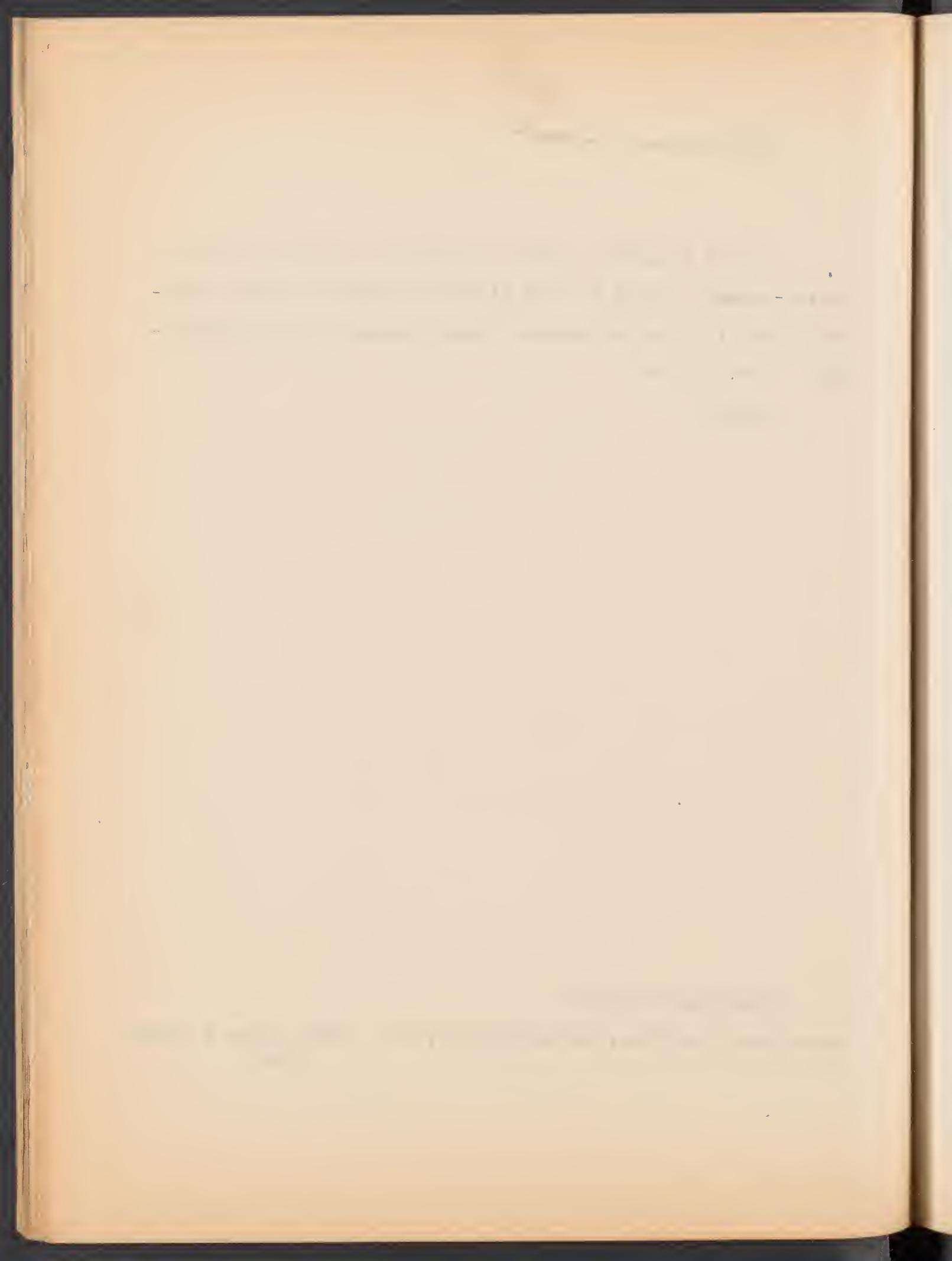
Collybia near *chrysophaea*

Pileus expanded, slightly umbonate, antimony yellow to yellow-ochre, velvety to very minutely verrucose, margin crisp-ed, thin; gills white, crowded, broad adnate; stem ochraceous-buff, 3 cm. # 4 mm.

Potrero

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2550m. Dodge & Thomas
5128

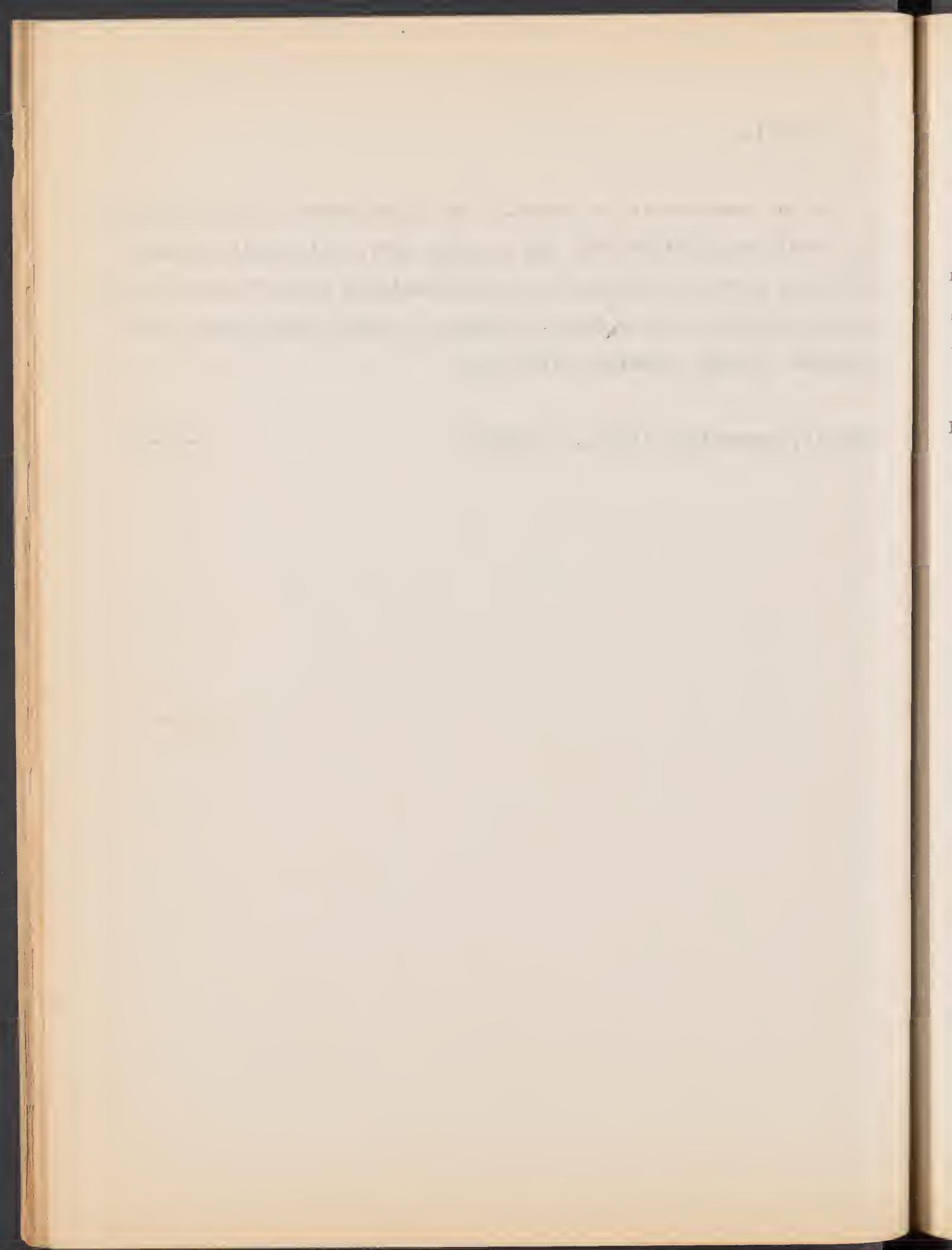


Collybia

Pileus hemispheric to convex, 2 cm, hygrophanous, minutely velvety disc meruliod, pinkish buff and cinnamon buff; gills white, adnate, subdistant, narrow to medium; stipe cartilaginous up to 7 cm x 1.5-1 mm tapering downward, white above, chestnut or darker below, base with yellowish cottony tomentum, fibrillose

Heredia, Chahuites, 1600 m., Goerger

9-11-36

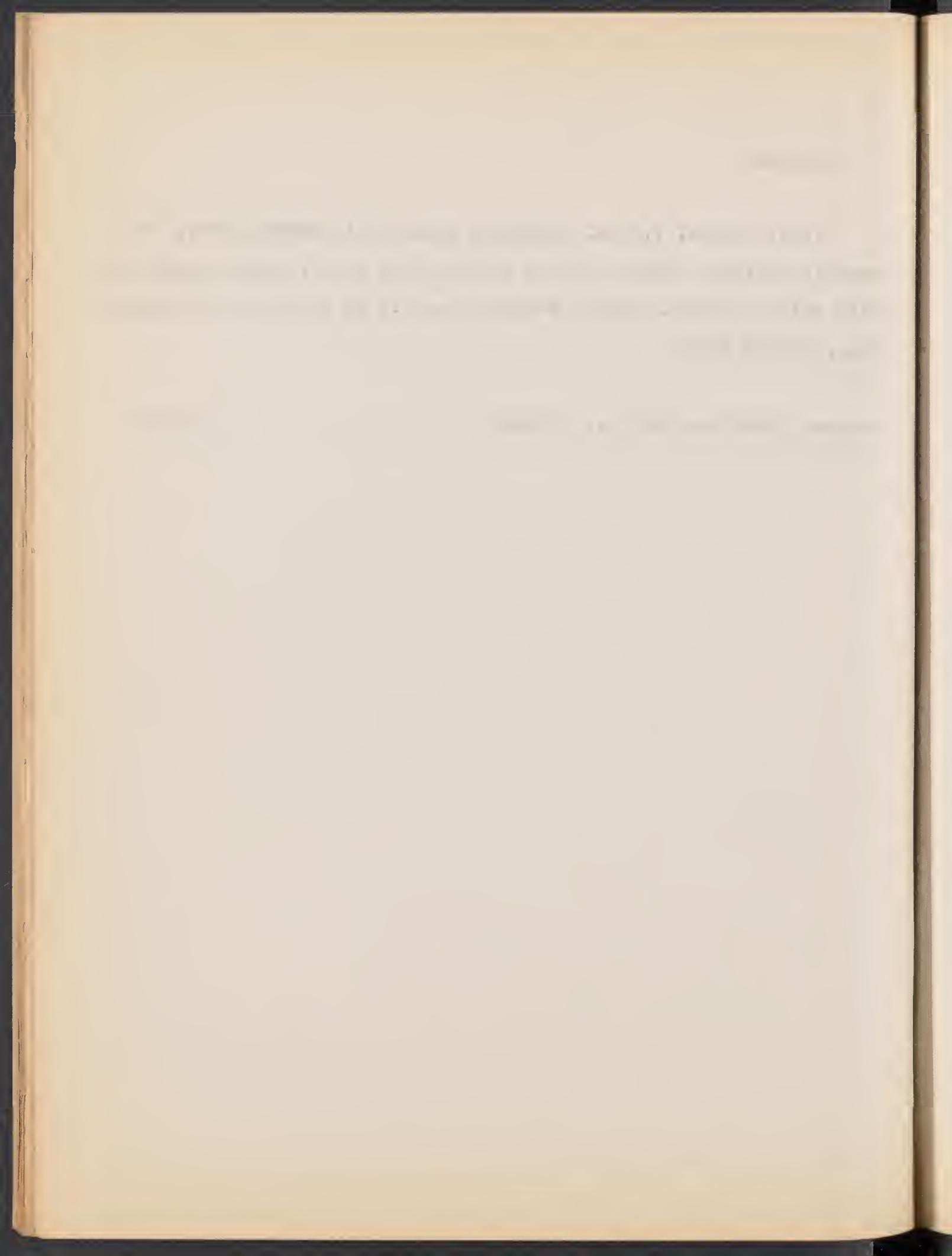


Collybia

Pileus convex, 4.8 cm, buckthorn brown, disc ~~xxxxx~~ darker, very minutely velvety, deeply striate sulcate over gills, almost membranous, gills white, distant, adnate broad; stipe 7.5 cm x 3.5 mm cartilaginous tough, nearly black

Heredia, Chahuites 1600 m., Goerger

9-11-36a

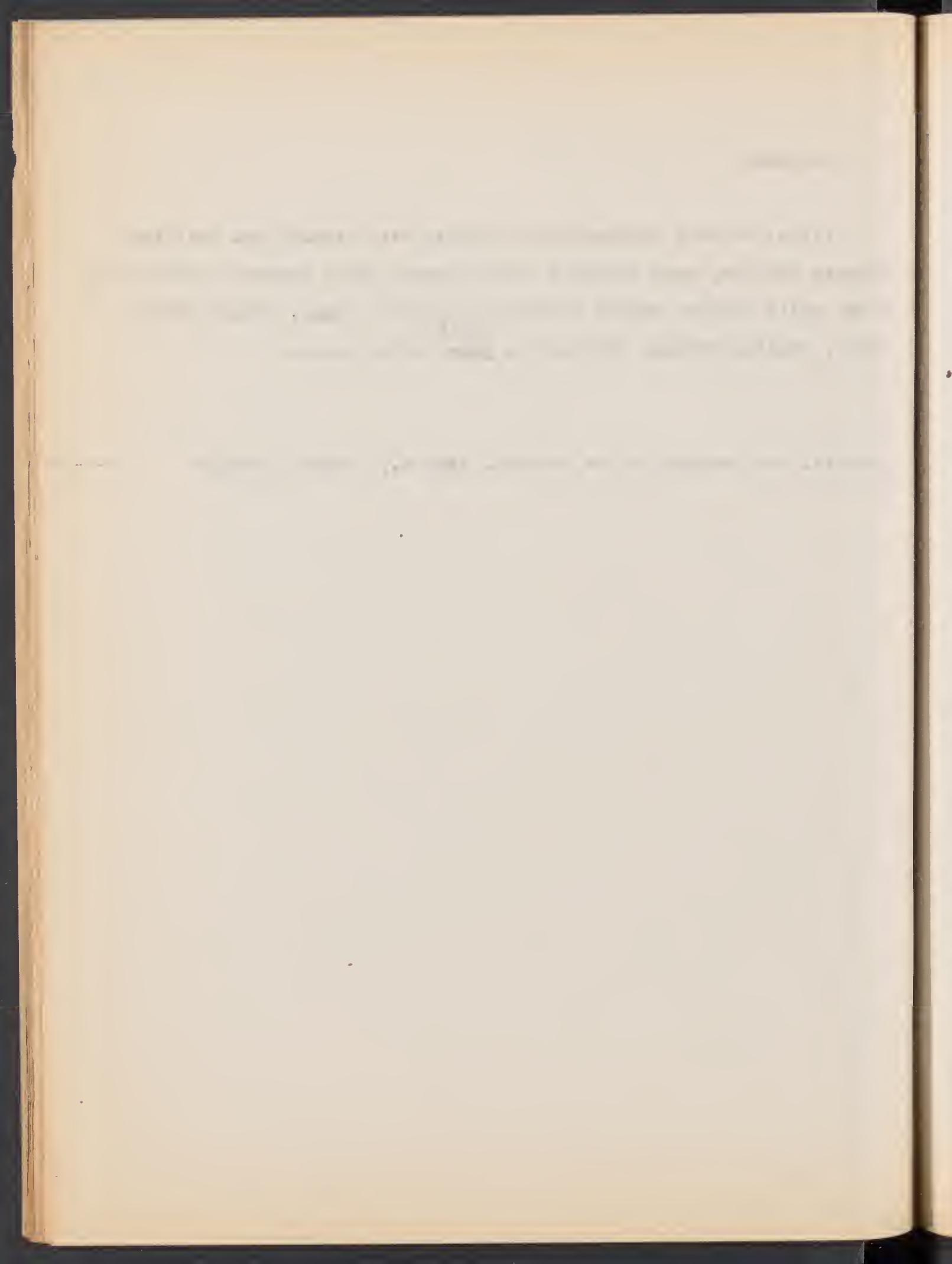


Collybia ~~de purpura~~

Pileus broadly campanulate, velvety, very broadly and shallowly sulcate striate, mars orange to burn^l sienna, gills adnexed, practically free, white distant broad; stipe cartilaginous tough, yellow ochre black above, shading through chestnut to ~~black~~, silky smooth

Heredia, Sto Domingo de Sta Barbara, 1800 m., Dodge & Goerger

8-7-36



Collybia velutipes group

viscid or velvety

Pileus 4-5cm., flat or margins inrolled, striate sulcate halfway to disc which is auburn, shading to orange rufous

Gills connected by meruliod cross ridges, sinuate, adnate to nearly free, broad, medium spacing, lemon chrome

Stipe velvety, cartilaginous, tough, 4cm. x 3-5mm., burnt sienna to chestnut

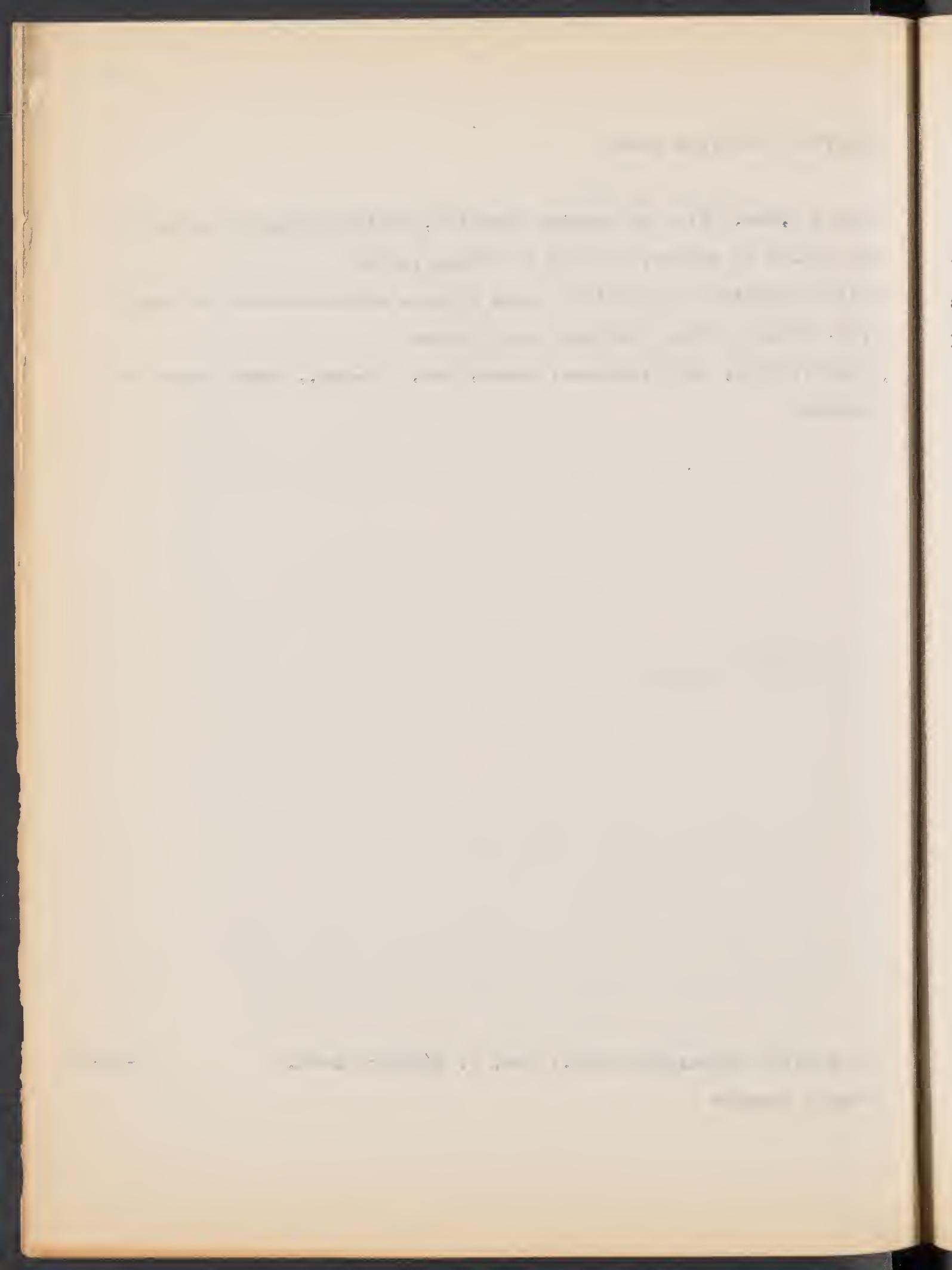
sapid after.

velvety after C828.

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m.

8-23-36

Dodge & Goerger



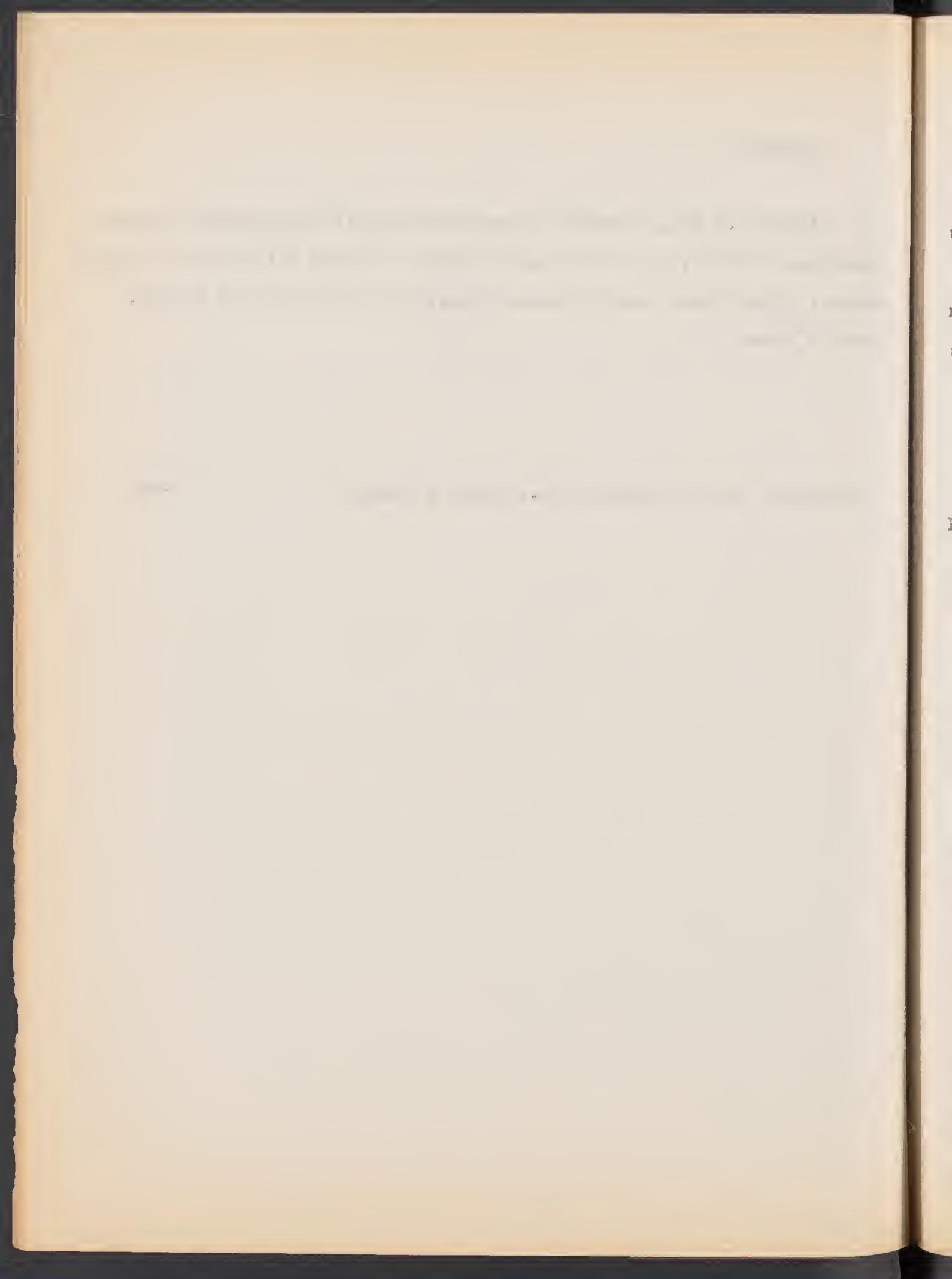
Collybia

Pileus 2.5 cm., expanded, deeply umbilicate and striate, minutely tomentose velvety, vinaceous buff, margin crisped; gills broad, sinuate adnate, subdistant, pale cinnamon pink; stipe velvety, 2 cm x 2 mm.

Prout's brown

Puntarenas, Osa, Q. Huaca, 5 m., Dodge & Goerger

8-28



Collybia cf 5128

Pileus flat, deeply umbilicat, minutely velvety, disc Saccardo
umber, rest sepia, margins whitish, not striate, gills close

narrow thick adnate white; stipe cartilaginous, semipellucid, white
smooth, 1.5 cm x 2.5 mm

Puntarenas, Osa, R. Terrones 5 m., Dodge & Goerger

8-29-36

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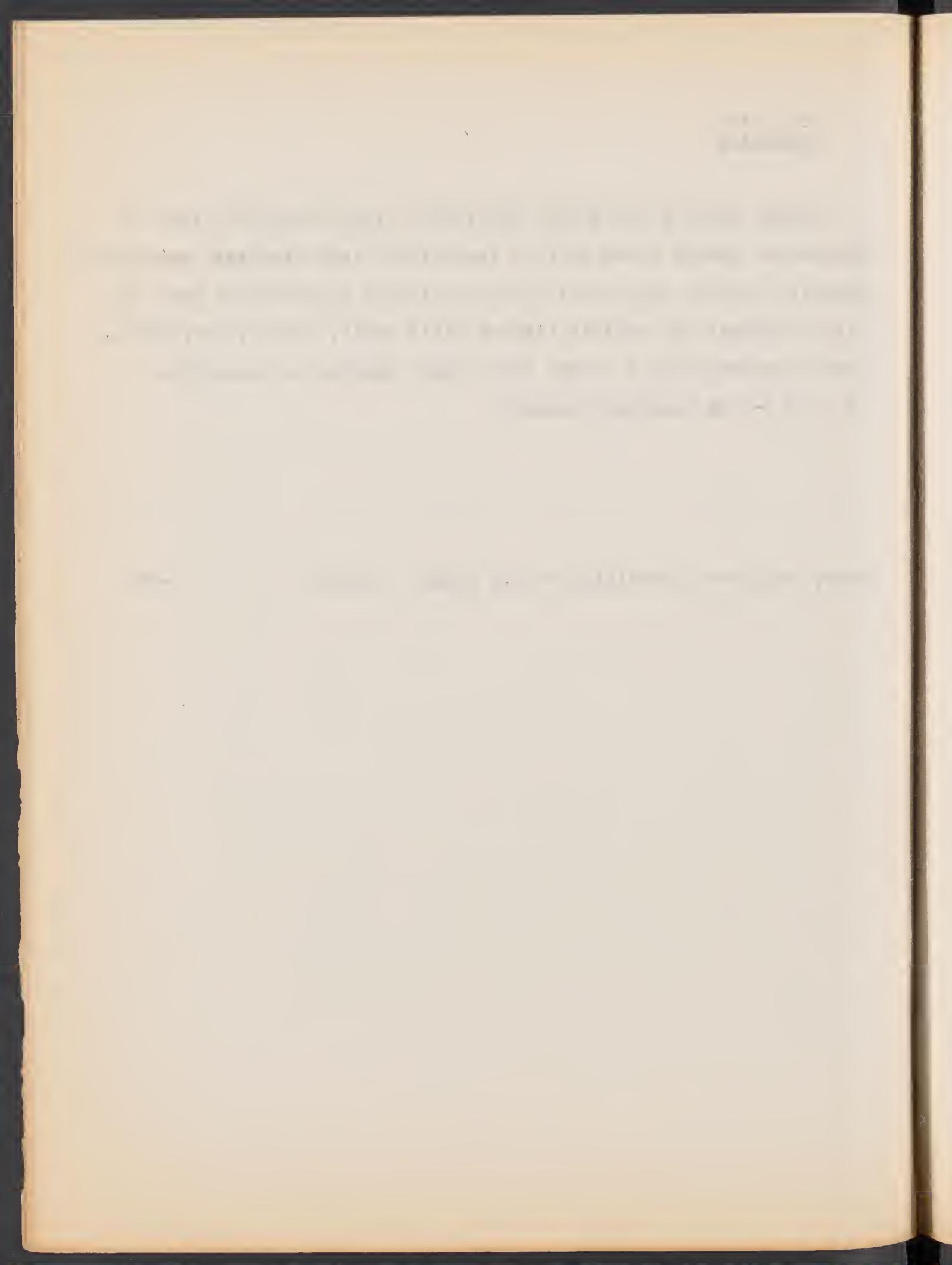
8

Collybia
Omphalina

Pileus up to 3 cm, deeply umbilicate, light brownish olive in depression, margin cream buff to isabelline, very minutely tomentulose, otherwise smooth, margin not striate although appearing so from the gills underneath in certain lights; gills white, narrow, very close, sinuate decurrent by a tooth; stipe white shading to isabelline 2.5 cm x 4-2 mm tapering downward

Limon, Siquirres, Castilla, 20 m., Dodge & Goerger

7-23



Collybia

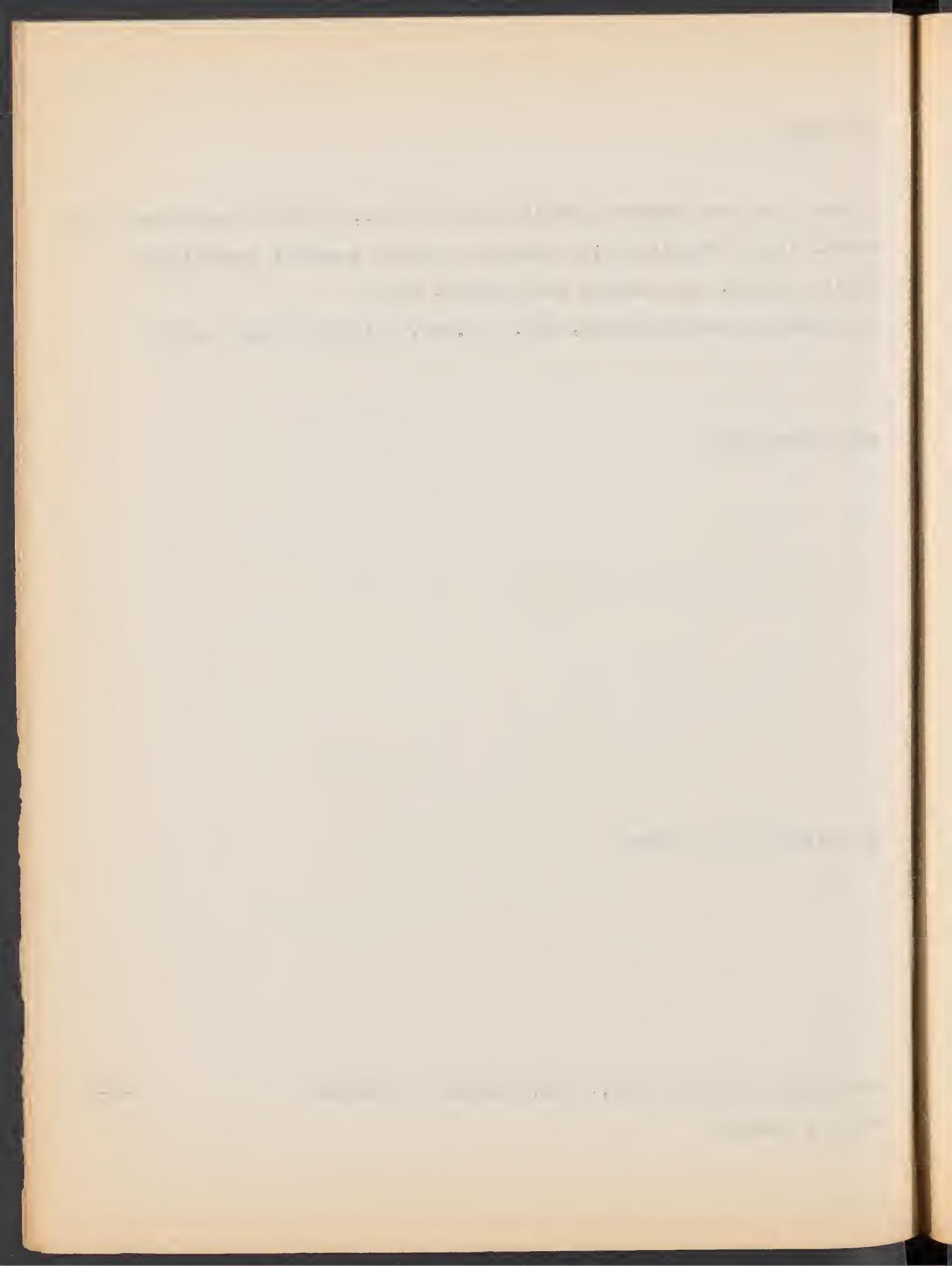
Pileus flat with margins inrolled above, 2cm., slightly tomentose, very moist, light brownish olive shading to white somewhat irregularly
Gills adnexed, very narrow and crowded, white
Stipe white, cartilaginous, 5cm. x 2.5mm., slightly smoky below

very caespitose

On rotten log in forest

Costa Rica, Heredia prov., Sto. Domingo del Roble,
Dodge & Goerger

8-6-36



Collybia

Pileus up to 4 cm, margin inrolled, surface fibrillose velvety, disc depressed, auburn shading to apricot buff; gills adnate, decurrent by a tooth, close, white; stipe cartilaginous to slightly fleshy hollow, curiously contorted distorted, 4 cm x 4-5 mm, fibrillose silky pure white.

Costa Rica: Puntarenas, Osa, Puerto Jimenez Dodge 7690

g

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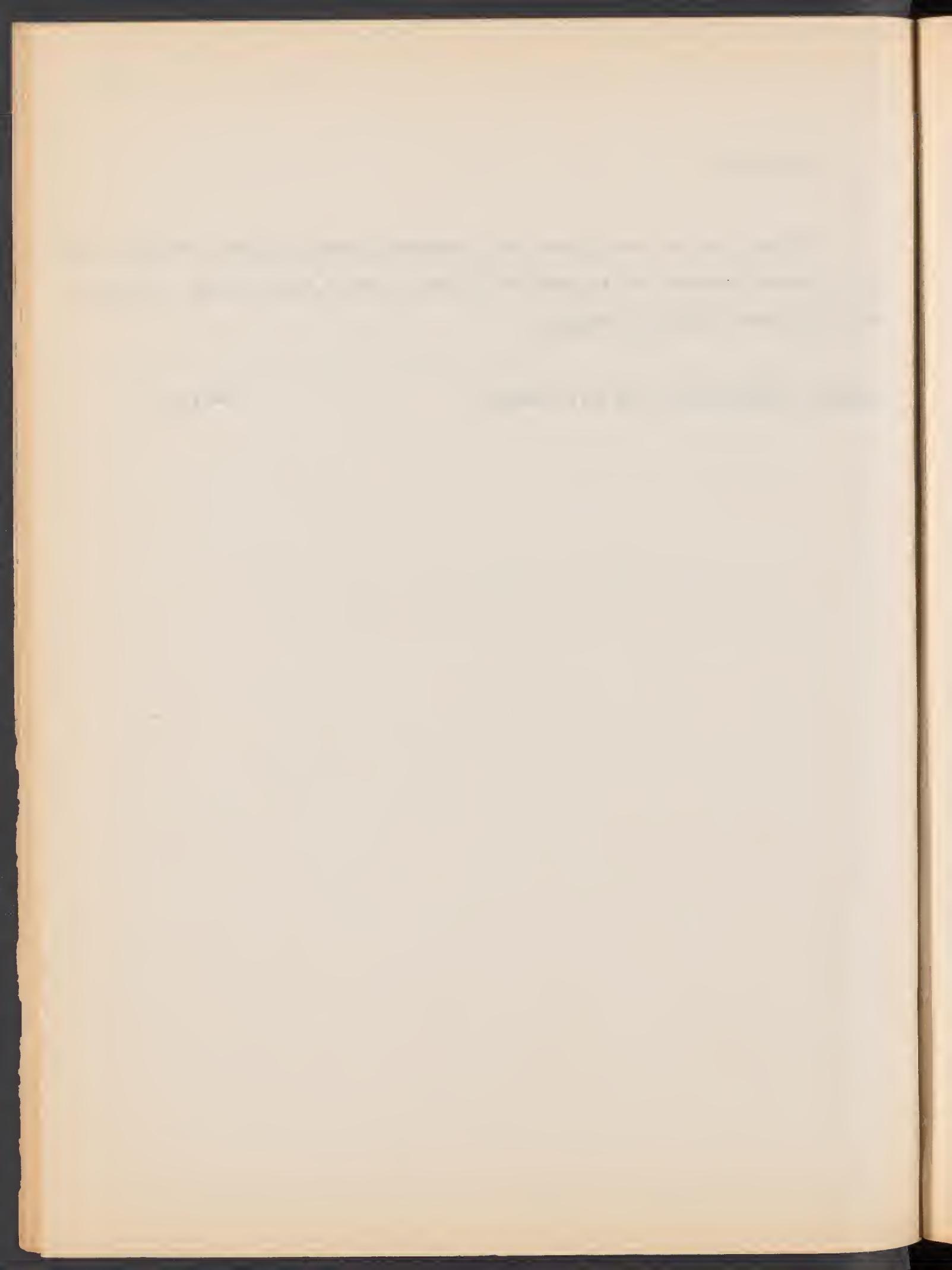
h

Collybia

Pileus 2.5 cm. cartridge buff umbonate, margin finely striate, moist gills close, adnate, white, medium width; stipe 5.5 cm x 5 mm, concolor cartilaginous, hollow, fragile.

heredia, Chahuites, 1600 m., Goerger

9-11-36



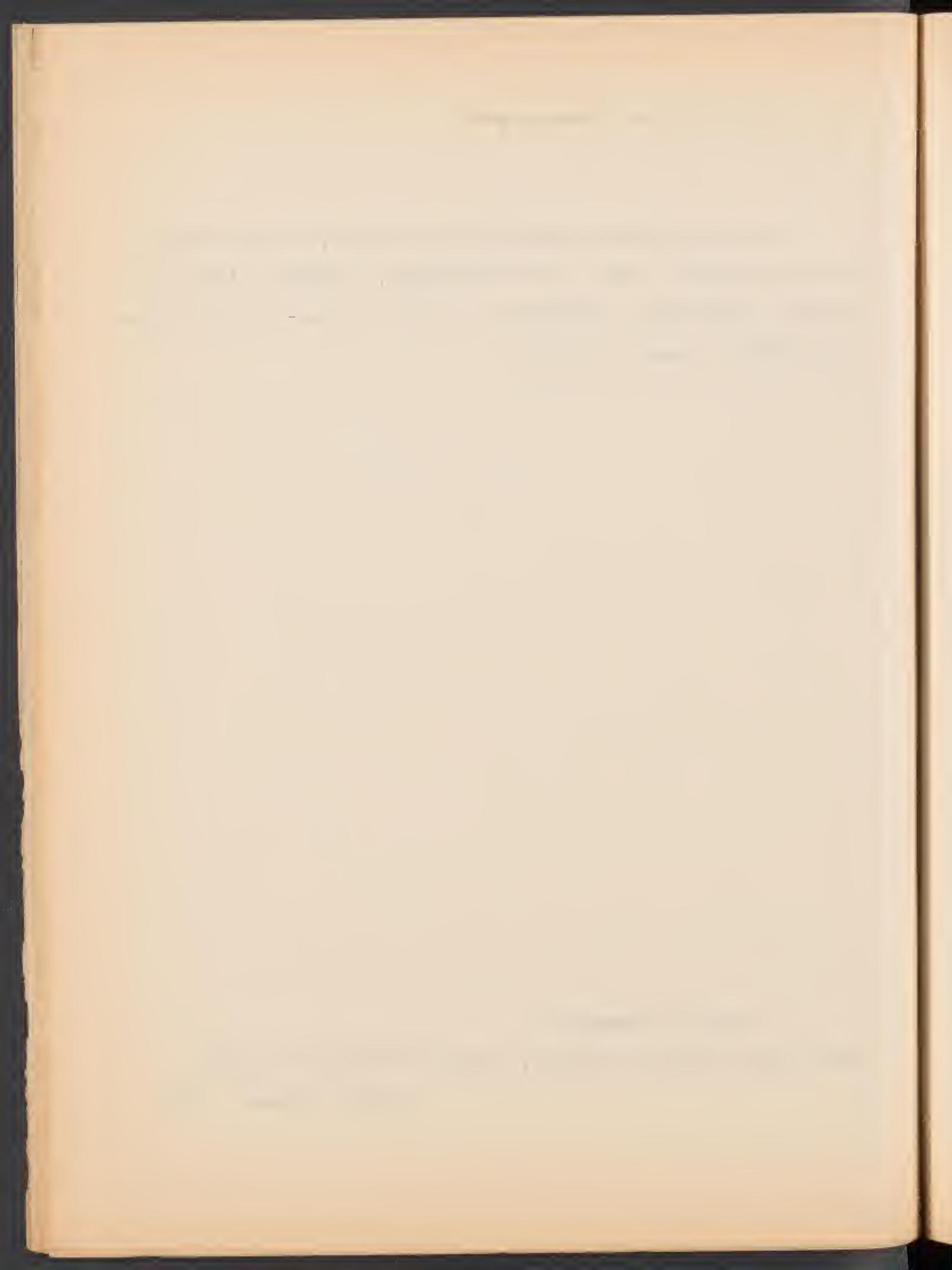
Collybia (new) *Bonana group*

Pileus cespitose, campanulate, umbonate, white or nearly so, flesh smooth, thin; gills very narrow, crowded; stipe long slender, several often coalescing to form a pseudo-branched stipe; disc lightly tinged with brown.

Specimens examined:

Costa Rica, Cartago, Santiago, Canon Reventazon, Alt. 1020m.

Dodge & Thomas 4642



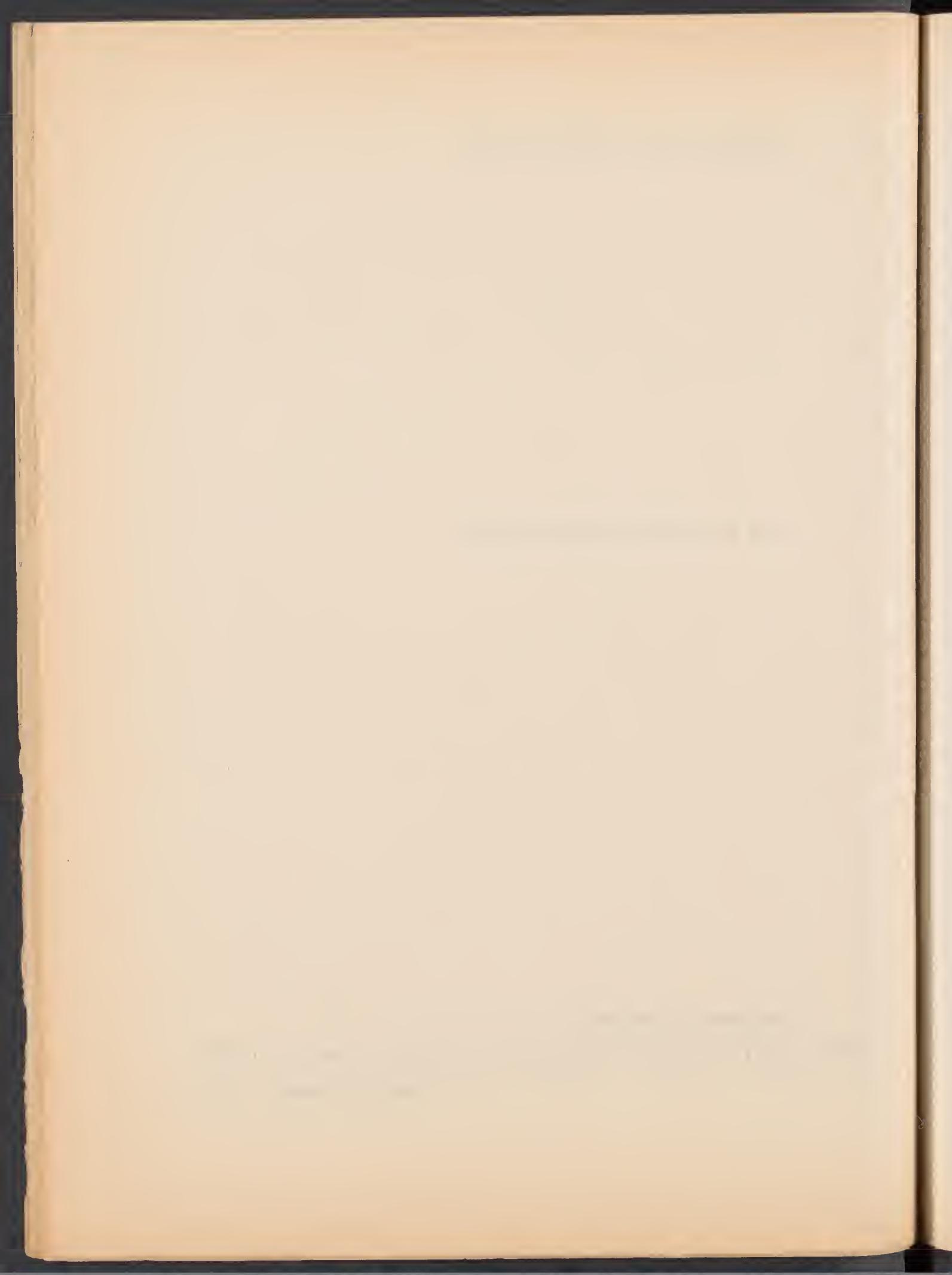
5 *Collybia near albidulus*. Pat.

On log over drainage ditch.

Specimens examined:

Costa Rica, San Jose, San Pedro de Montes de Oca, Alt. 1200

Dodge & Thomas 4495



Collybia cf. cinnabarinus

Pileus up to 3 cm, expanded, pure white, margin irregular very thin
not stiate; gills white, adnate, subdistant, narrow; stipe 2.5cm. x 4
mm, compressed, white cartilaginous

Decaying log

Limon, Siquirres, Castilla, 20 m., Dodge & Goerger

7-29

the first time. I have seen many
of them - but this was the first
time I have seen one with such a

Collybia

Pileus 4cm., flat, almost membranous, coarsely wrinkled, white or very slightly pinkish; margin faintly striate

Gills close, narrow, ventricose, free or very slightly sinuate adnexed, white

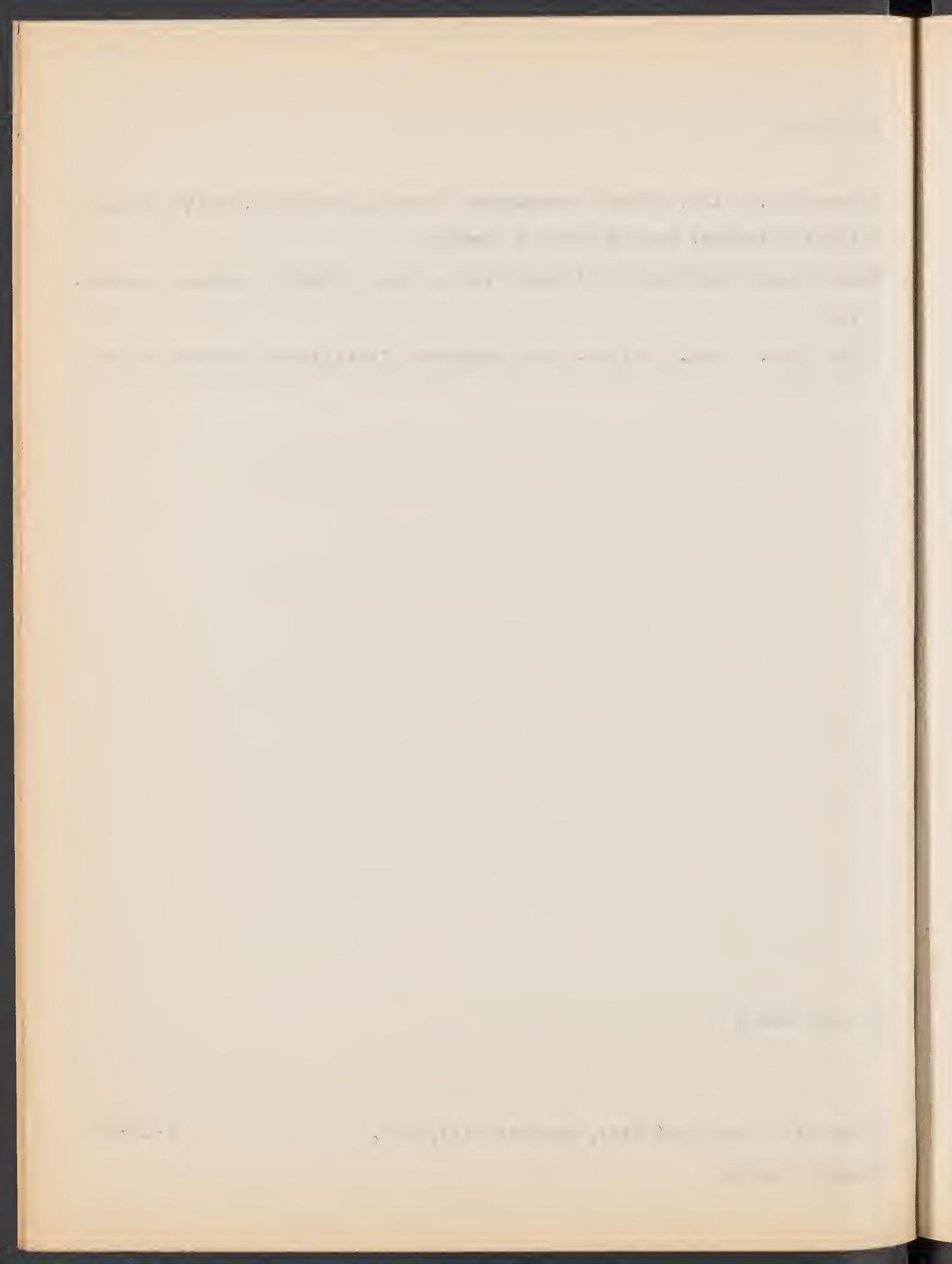
Stipe 12cm. x 4mm., hollow, cartilaginous, fibrillose, cottony white

On leaf mould

Costa Rica, San José prov, Paquita hill, 20m.

8-15-36

Dodge & Goerger



Collybia albidulus group

Pileus convex, center depressed, 6 cm in diameter, deeply sulcate striate from splitting over gills, cartridge buff, gills broad, ~~xx~~ distant, white, adnate, stipe white, minutely velvety 6 cm x 4 mm

Limon, Siquirres, Castilla, 20 m., July 25 Dodge & Goerger

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Collybia muscaria - group

Pileus 1.8 cm, white, center deeply umbilicate, convex, smooth;
gills adnate, broad, close white
stipe cartilaginous white 2 cm x 2 mm.

Decaying log

Eimon, Siquirres, Siam, 20 m. Dodge & Goerger

7-30-36

m

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Collybia near cyanocephalus

Pileus 5 cm, surface fibrillose, moist, pellicle separable, margin deeply lacerate, dusky green gray; gills narrow, crowded subdecurrent, white; stipe concolor, smooth, 4 cm x 4 mm, hollow

Costa Rica: Puntarenas, Osa Estero Sandalo 2-20 m, Dodge 7670

Collybia

Pileus expanaea, thin up to 5.5 cm. lime-green with disc tawny or lighter, somewhat tawny where bruised, subhygrophanous; flesh very thin; gills, narrow, crowded, concolor; stipe silky, concolor, becoming tawny where bruised, up to 5-6 cm. long.

Dead log.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2500m. Dodge & Thomas

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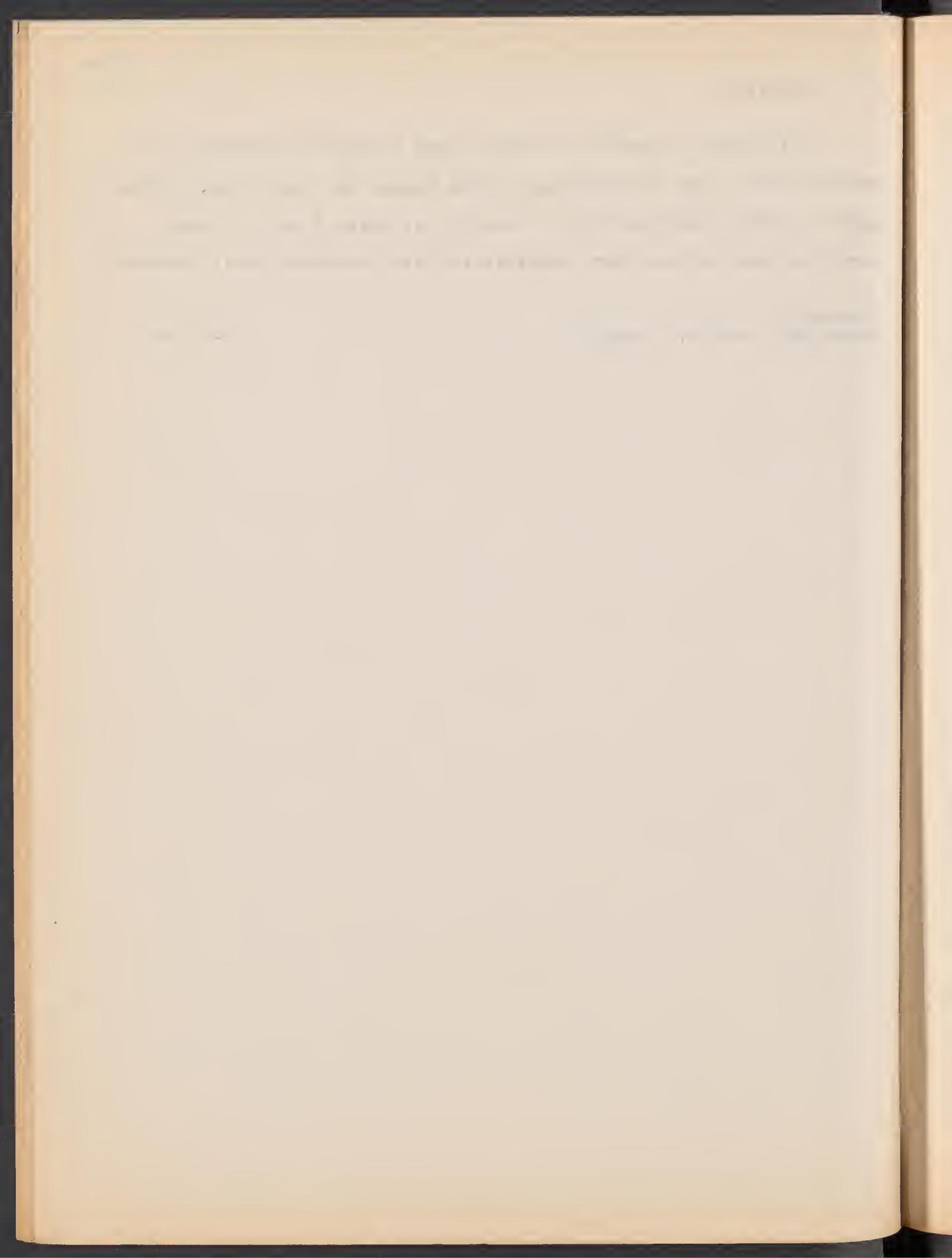
Collybia

Pileus dull lavender to almost dark lavender, hemispheric to expanded with fine anastomosing striae except on disc, 2 cm. gills adnate, close, narrow, white or nearly so; stipe 7 cm x 2.3 mm, cartilaginous hollow, very minutely velvety, concolor, dull lavender

Heredia:

Chahuites, 1600 m., Goerger

9-11-36



15th
131

Collybia near *nigrita*

Pileus convex, expanded to irregular, up to 4.5 cm.,
bistert to black above, hygrophanous, margin thin, smooth;
gills adnate, white, blackening where bruised, close ventri-
cose; stipe cartilaginous up to 3.5 cm # 3.5 mm., furfuraceous,
pruinose-buff but quickly blackening, hollow.

Potrero S. of House

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160-2180. Dodge &

Thomas 5307 Simon
Rose Hill above Rio Pacuare Dodge Catt Thomas et al.

Puntarenas: Osa, R. Terrones 2 m Dodge

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Collybia

Pileus 3 cm, cinnamon rufous, umbo large, margin upturned, slightly lacerate, gills adnexed to free, white, crowded, broad; stipe cartilaginous, 5 cm x 2 mm, white above, fibrillose, cinnamon rufous or lighter below

Costa Rica: Puntarenas, Osa, Estero Sandalo 5-20 m Dodge 7732

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Collybia

Pileus 2cm., convex, broadly umbonate, pale ochraceous salmon; margin somewhat lighter, innate fibrillose, striate
Gills white, narrow, crowded, adnate
Stipe 7-8cm. x 2-3mm., pruinose, white

Costa Rica, Limón prov., Castilla farm, 20m.

7-23-36

Dodge & Goerger

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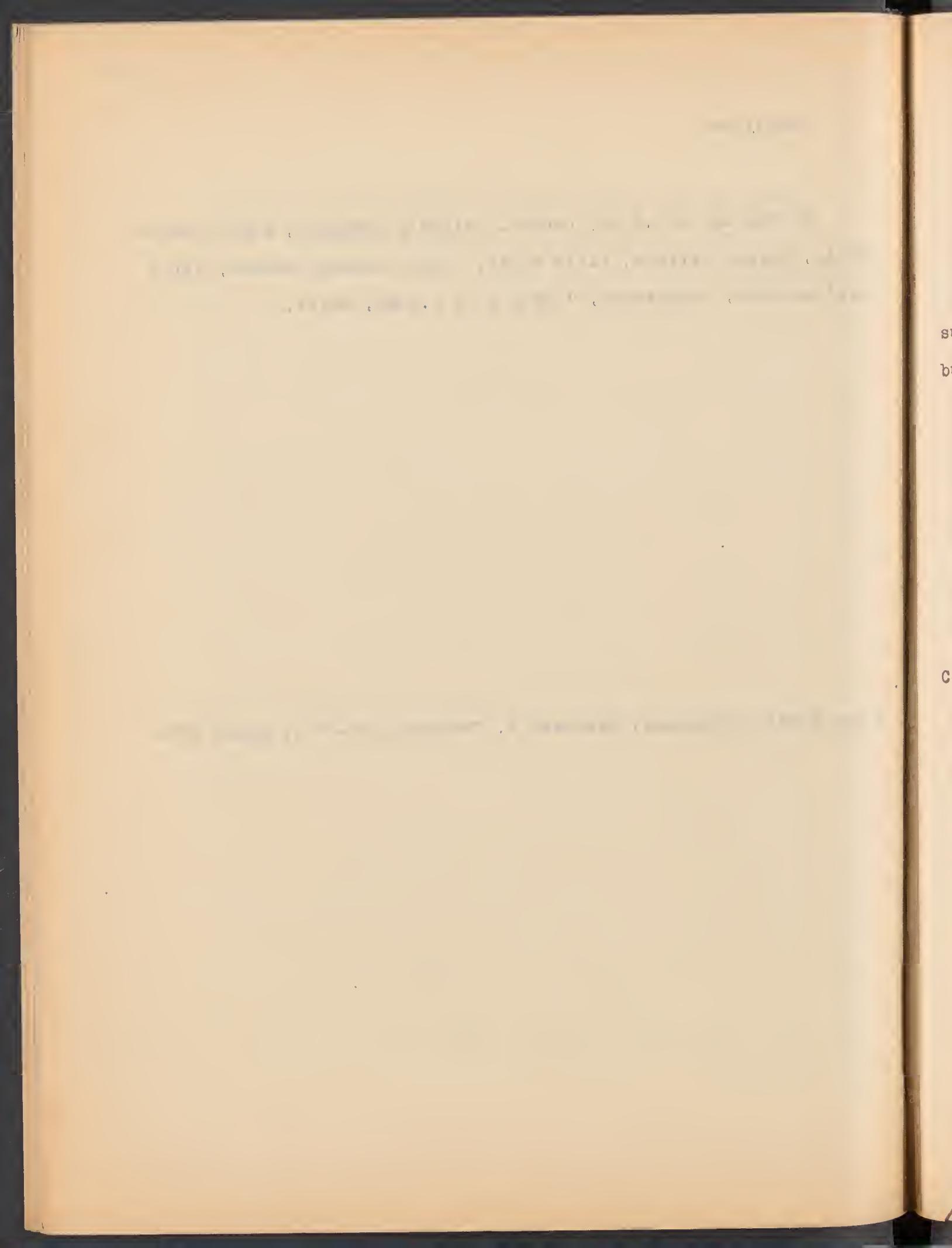
ca

Cos

Collybia

Pileus up to 3.3 cm, convex, slightly umbonate, honey yellow wholly, margin striate; gills white, close adnexed, narrow; stipe cartilaginous, compressed, 7 cm x 3 x 1.5 mm, white.

Costa Rica: Puntarenas, Osa near R. Terrones, 20-30 m, Dodge 7671



Collybia near cinchonensis

Pileus 2.5 cm with deeply depressed, slight umbo, deeply striate sulcate, tilleul buff; gills adnate-adnexed, distant, medium, tilleul buff; stipe pruinose, fibrillose, 6 cm x 2.5 mm

Costa Rica: Puntarenas, Osa, near R. Terrones 10 m Dodge 7696
near Estero Sandalo 5-20 m, Dodge 7685, 7733; near Puerto Jimenez
5-20 m, 7642; Cerro Guaca Dodge 7639

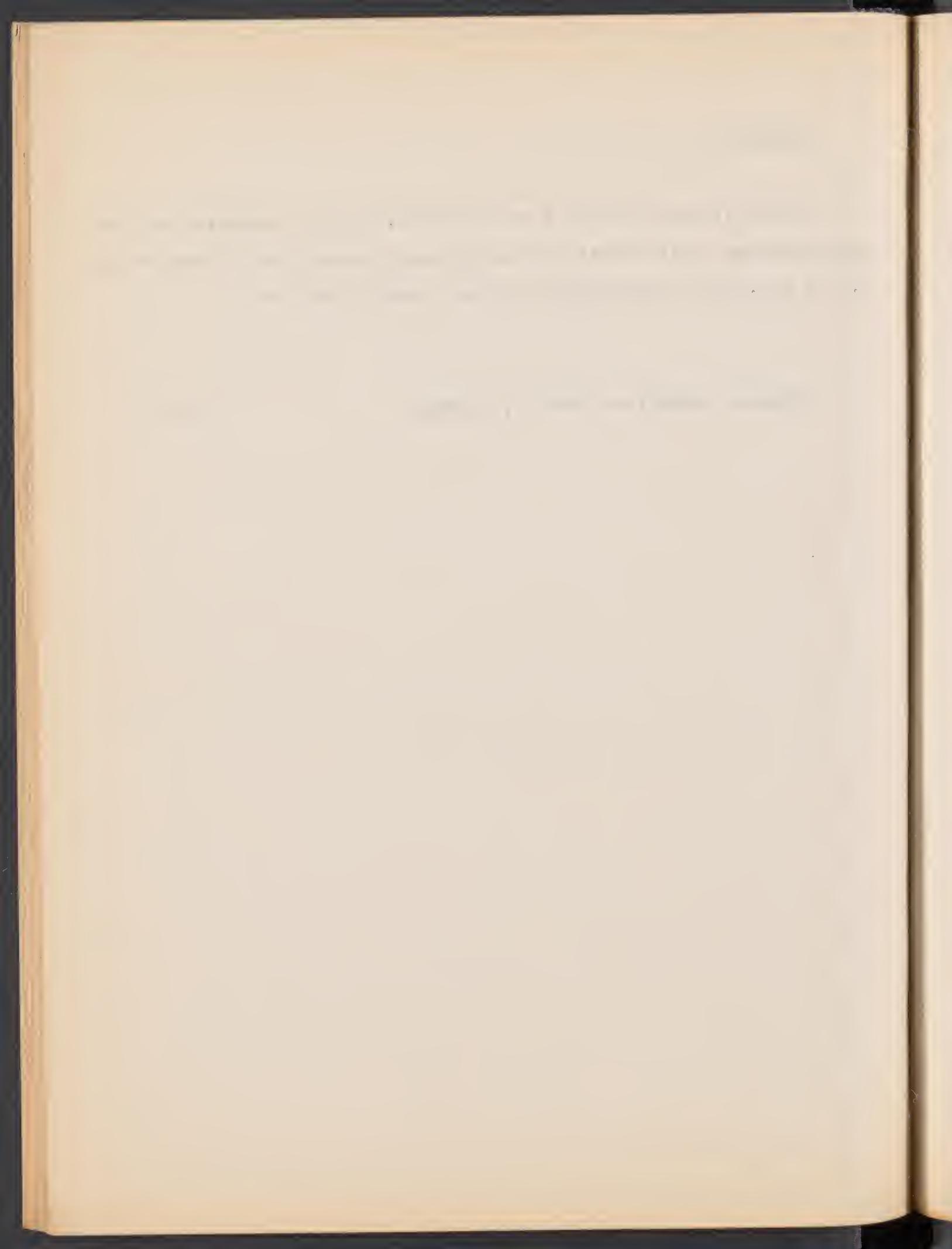


Collybia

Pileus vinaceous fawn, 3 cm, expanded, faintly umbonate, striate, hygrophanous; gills adnate broad, subdistant, paler than pileus; stipe 5.5 cm x 3.5 mm, cartilaginous hollow, silky fibrillose

Heredia, Chahuites, 1600 m., Goerger

9-11-36



Collybia

137

Pileus broad campanulate, subconic, 3 cm in diameter, 1.5 cm tall, striate sulcate, smooth, dry, disc mummy brown or darker, shading to buckthorn brown, gills subdistant, adnate, broad, mustard yellow to Naples yellow, edges smooth; stipe 4 cm x 3-5 mm tapering upward, cartilaginous tough, velvety, raw sienna above to raw umber below

Decaying stick in banana

San José, R. Paquita, 2 m., Dodge & Goerger

Aug. 14

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Collybia

Pileus broad, campanulate, 1.5 cm, hygrophanous, pinkish buff with mars brown margin, smooth, fibrillose, flesh thick on disc, thinning rapidly, white; gillas white at first becoming pinkish cinnamon, adnate, close very narrow; stipe cartilaginous, hollow, silky fibrillose, white hygrophanous.

SanJosé, Guayabillos, 2300 m., Dodge & Goerger

7-7-36

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139

Collybia

Pileus 3-4cm., campanulate, expanded, moist but not truly viscid; disc cinnamon brown to ochraceous tawny; margin not striate; smooth flesh very thin

Gills close, narrow, adnate, light ochraceous buff

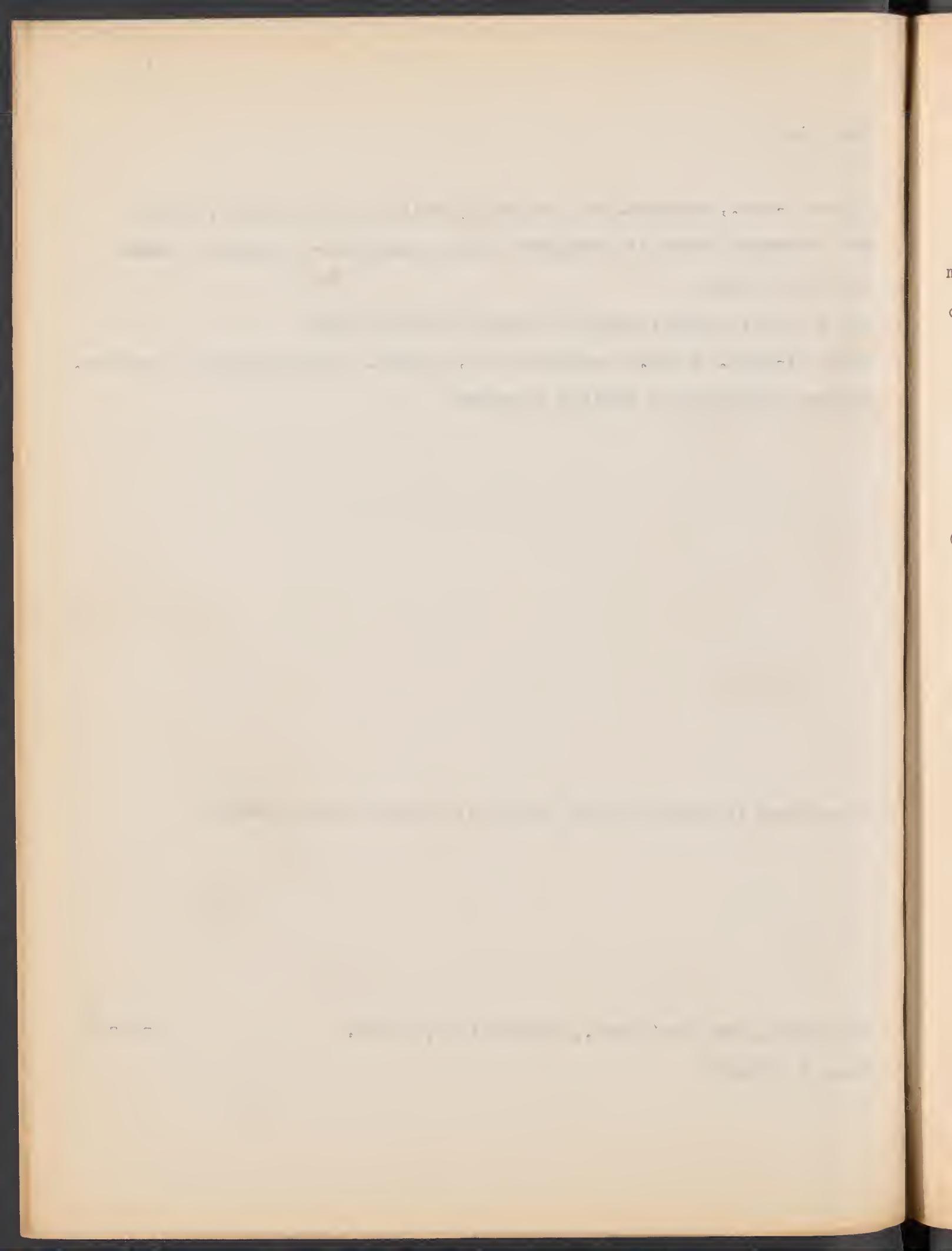
Stipe 11-12cm. x 2mm., Hessian brown, smooth, cartilaginous, lower 3cm. of base clothed with whitish tomentum

Caespitose in decaying leaf mould, in forest along quebrada

Costa Rica, San José prov., Guayabillos, 2300m.

Dodge & Goerger

7-10-36



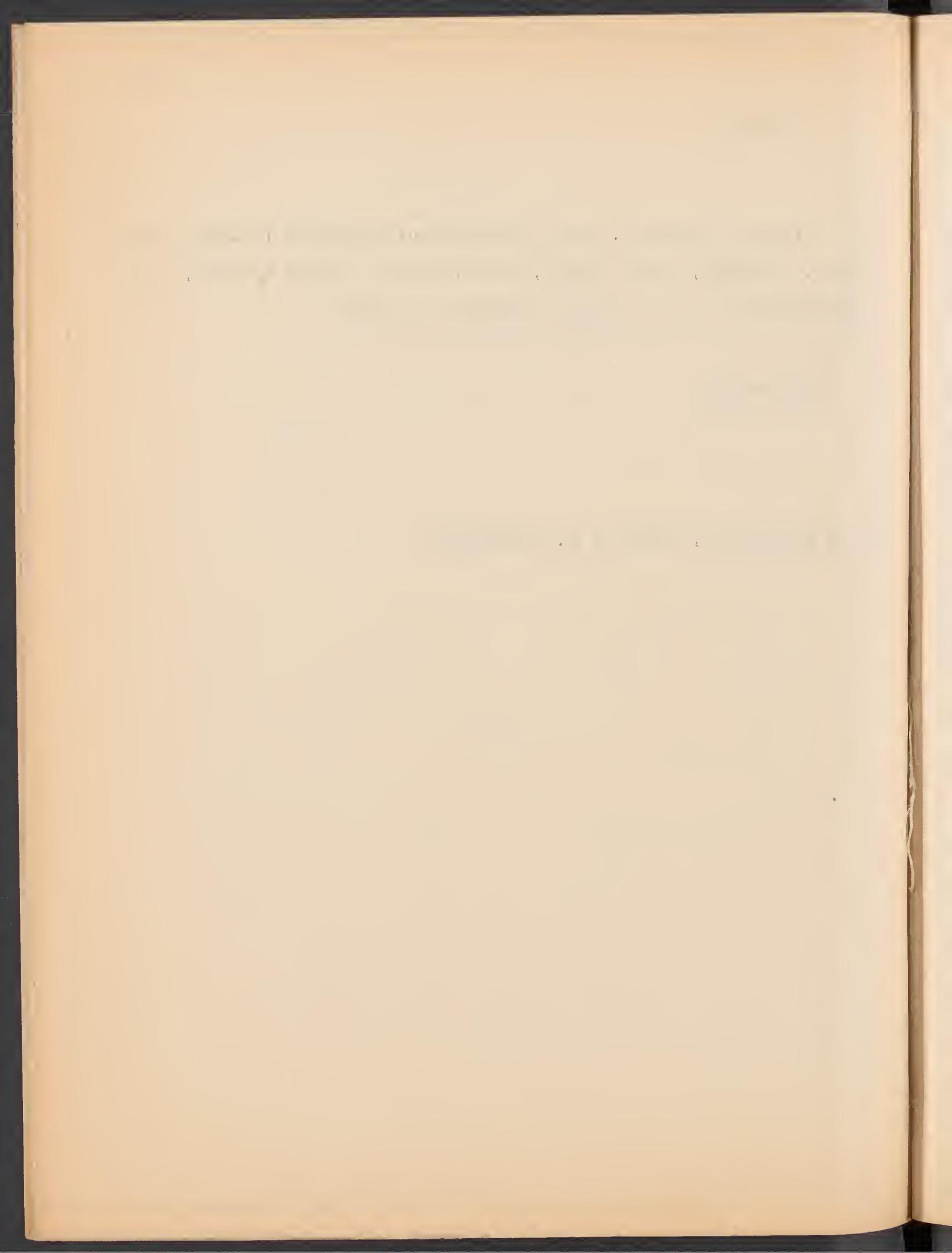
9-11ⁱ
140

Collybia

Pileus convex, 1.5 cm, disc chestnut shading to cinnamon rufous margin, inrolled; gills adnate, close, broad, citrine yellow; stipe cinnamon rufous 3 cm x 2-1 mm tapering downward

Rotten log

Costa Rica: limon, Marta 20 m. Dodge 7253



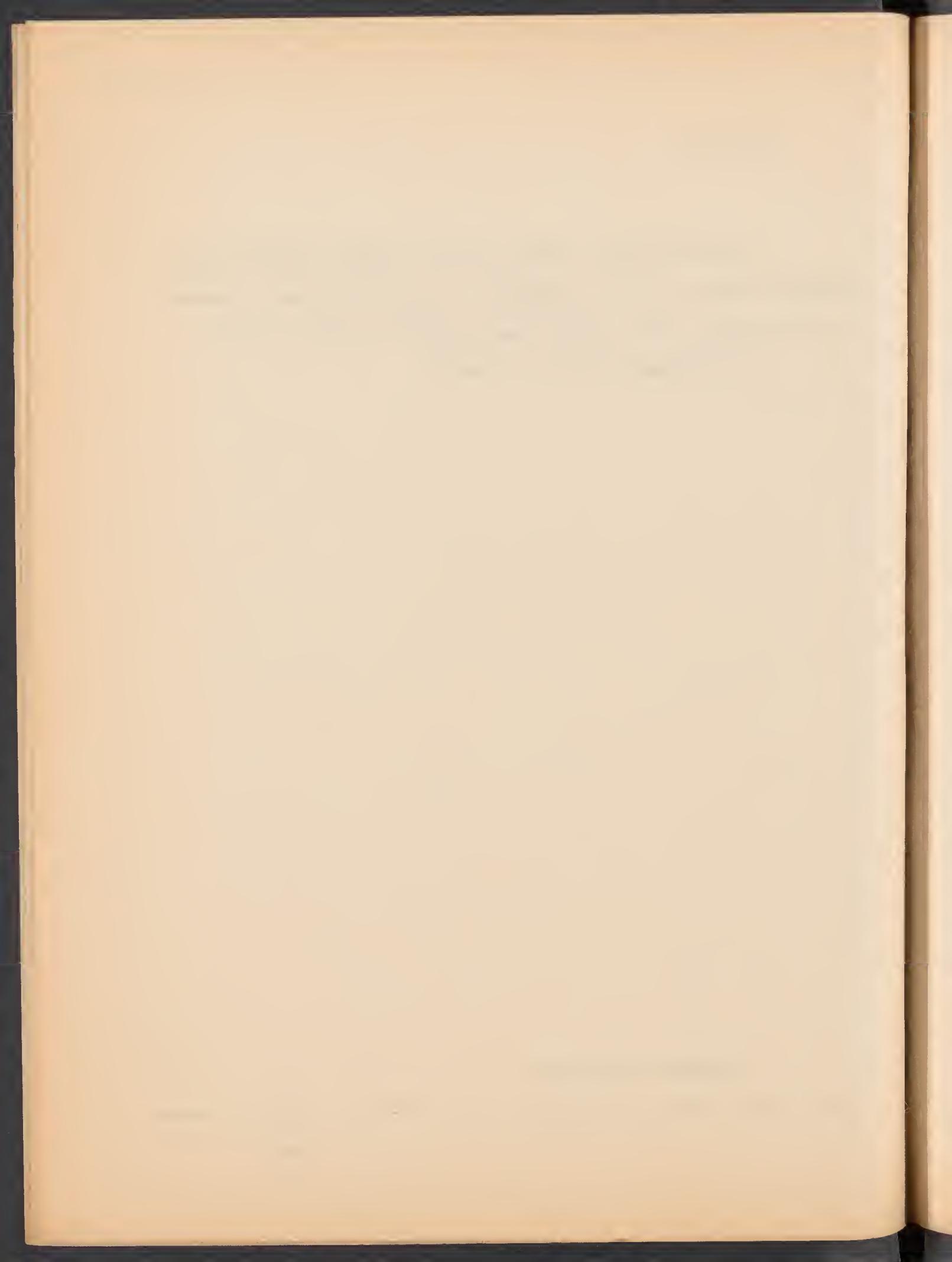
Collybia

Pileus whitish, tawny on disc, slightly hygrophanous, diameter about 1 in. on largest; gills narrow, close, attached to stipe, flesh thin; stipe thin, brittle, slightly porous.

In clusters on wood in jungle

Specimens examined:

Costa Rica, Cartago, Pejivalle, Alt. 680-800 m. Dodge & Thomas



Hiatula
Collybia

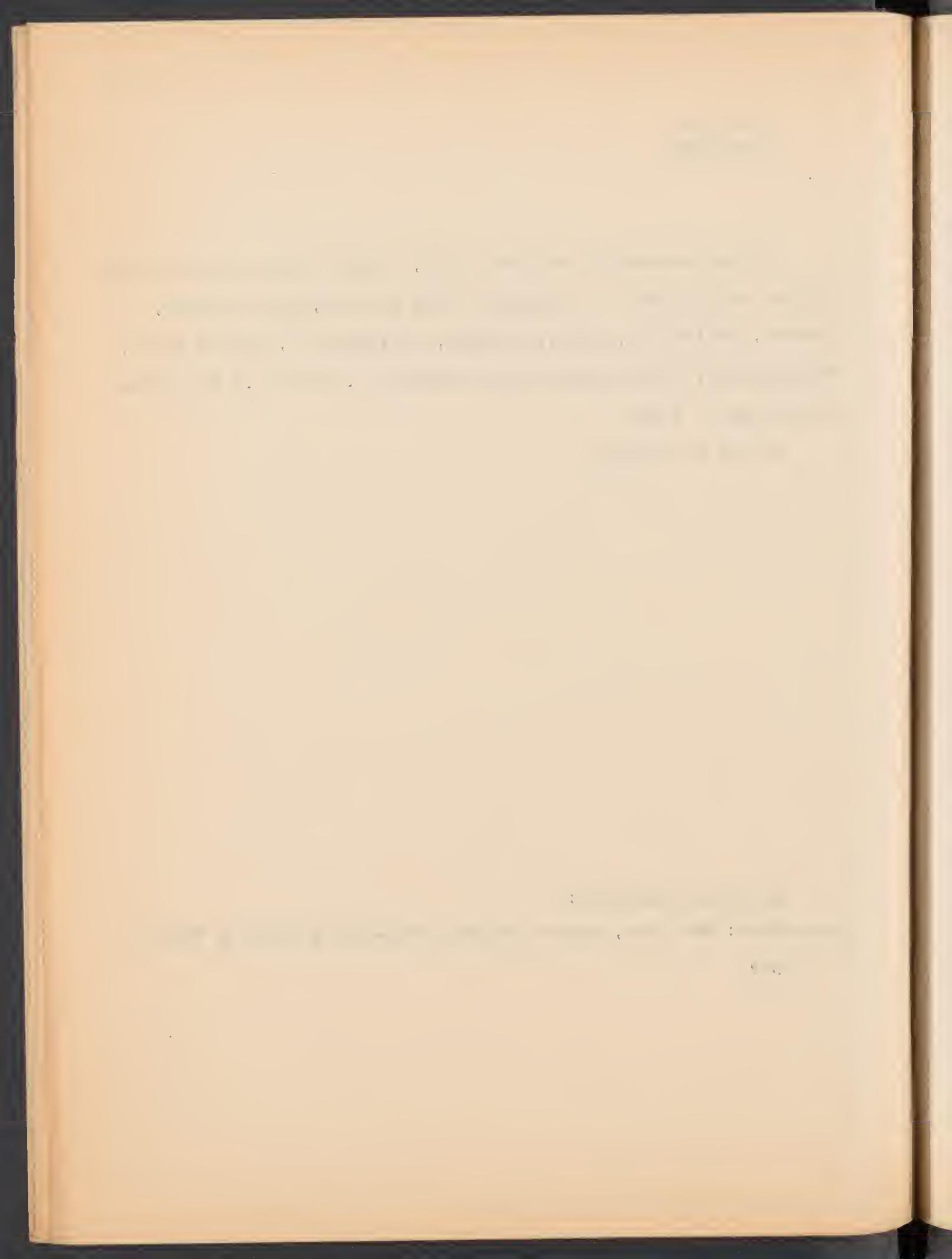
Pileus expanded, 5 cm, very thin, russet with darker disc and lighter margin which is broadly stiate sulcate; gills adnate, sinuate, ventricose, thick, subwaxy, tilleul buff, spores white, stipe hollow, cartilaginous silky russet, 2.5 cm s 3.5 mm ending in bulb up to 7 mm

On log by roadside

Specimens examined:

Costa Rica: San Jose, Rancho Redondo 2300-2350 m Dodge & Thomas

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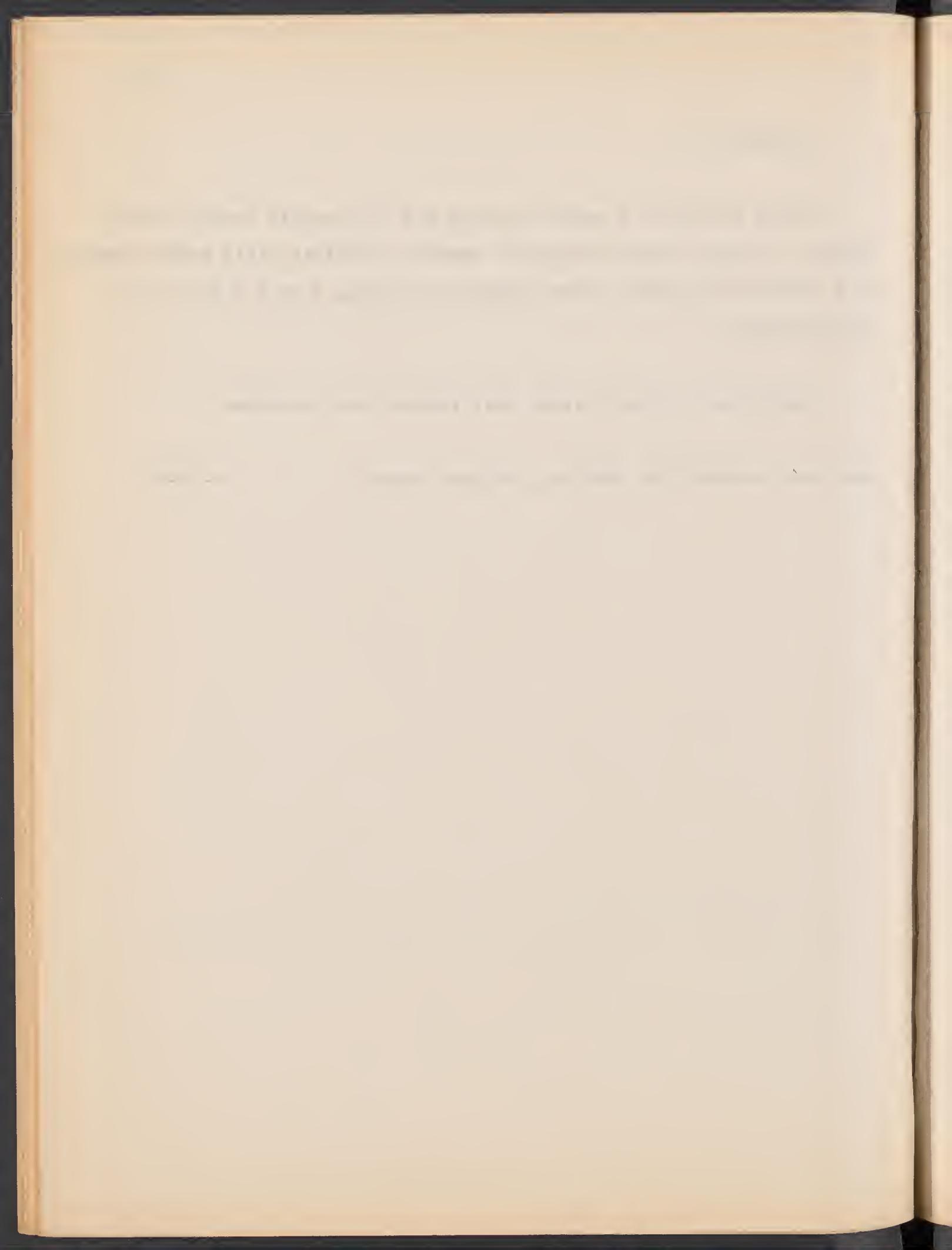
Collybia

Pileus convex, 2.5 cm [watersoaked and old] margin smooth sulcate striate to disc, russet shading to tawny or lighter; gills broad, adnate pale ochraceous salmon, stipe ochraceous salmon, 4 cm x 2 mm, equal, cartilaginous

Cespitose on very rotten log, forest along quebrada

San José, Guayabillos, 2300 m., Dodge & Goerger

7-10-36



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Collybia

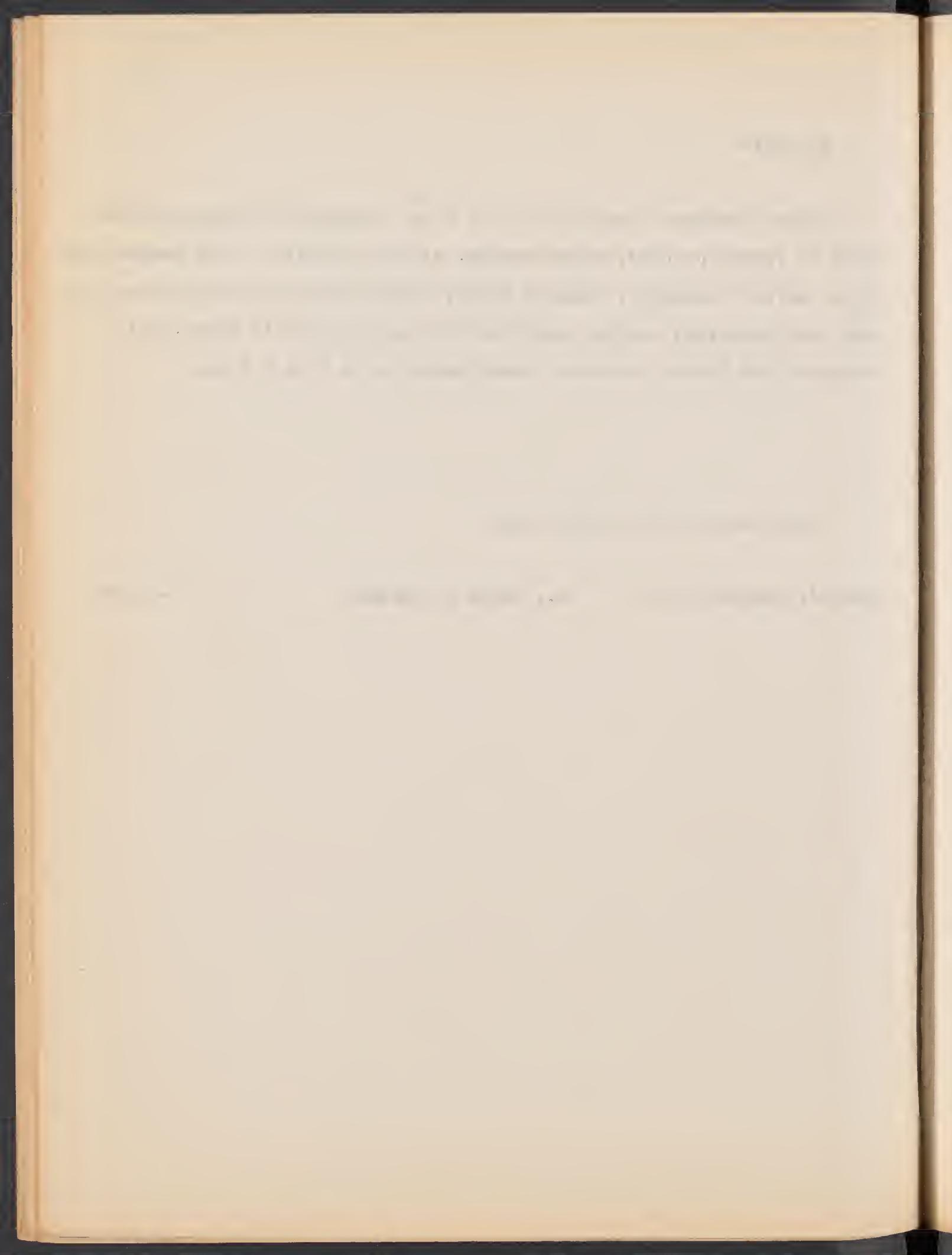
Pileus expanded, cespitose up to 6 cm, irregularly gibbous, mars brown or russet on disc, hygrophanous, striate sulcate, color deeper over gills, margin irregular, sinuate white; flesh thin; gills ventricose, adnate with decurrent tooth, subdistant white; stipe white above, pale cinnamon pink below, pruinose toward base, up to 5 cm x 4 mm.

Cespitose on very rotten log

SanJosé, Guayabillos,

m., Dodge & Goerger

7-10-36



Collybia

Pileus convex, hygrophanous, striate over gills, 3cm.; disc light vinaceous cinnamon; rest Mikado brown; margin irregular

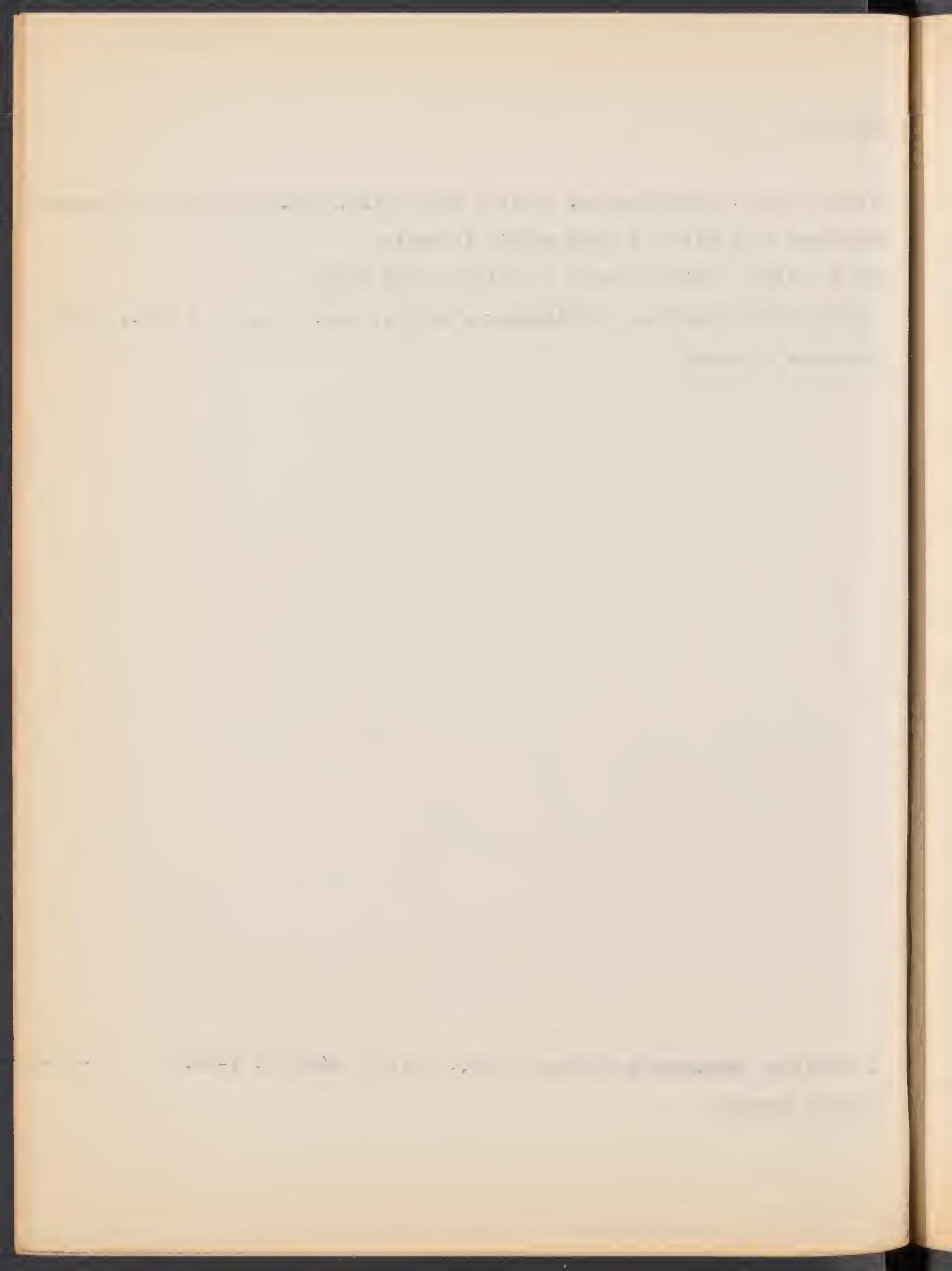
Gills distant, white, adnate to collar about stipe

Stipe pruinose above, cartilaginous, hollow, 2mm. diameter x 4cm., light vinaceous cinnamon

Costa Rica, ~~Santa~~ Puntarenas prov., Osa, R. Sándalo, 1-5m.

8-21-36

Dodge & Goerger



Collybia
Tricholma

Pileus hemispheric to expanded, margin unrolled as in Lactarius, surface smooth, moist, ochraceous-tawny with cinnamon-brown ~~shiner~~, flesh pale-buff, thick on disc, thin at margins, floccose; gills sinuate, adnexed, ventricose, white, close; stipe separable from flesh, hollow, cartilaginous, citrine-yellow within, white above, ochraceous-tawny below.

On stump.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2500 m. Dodge & Thomas

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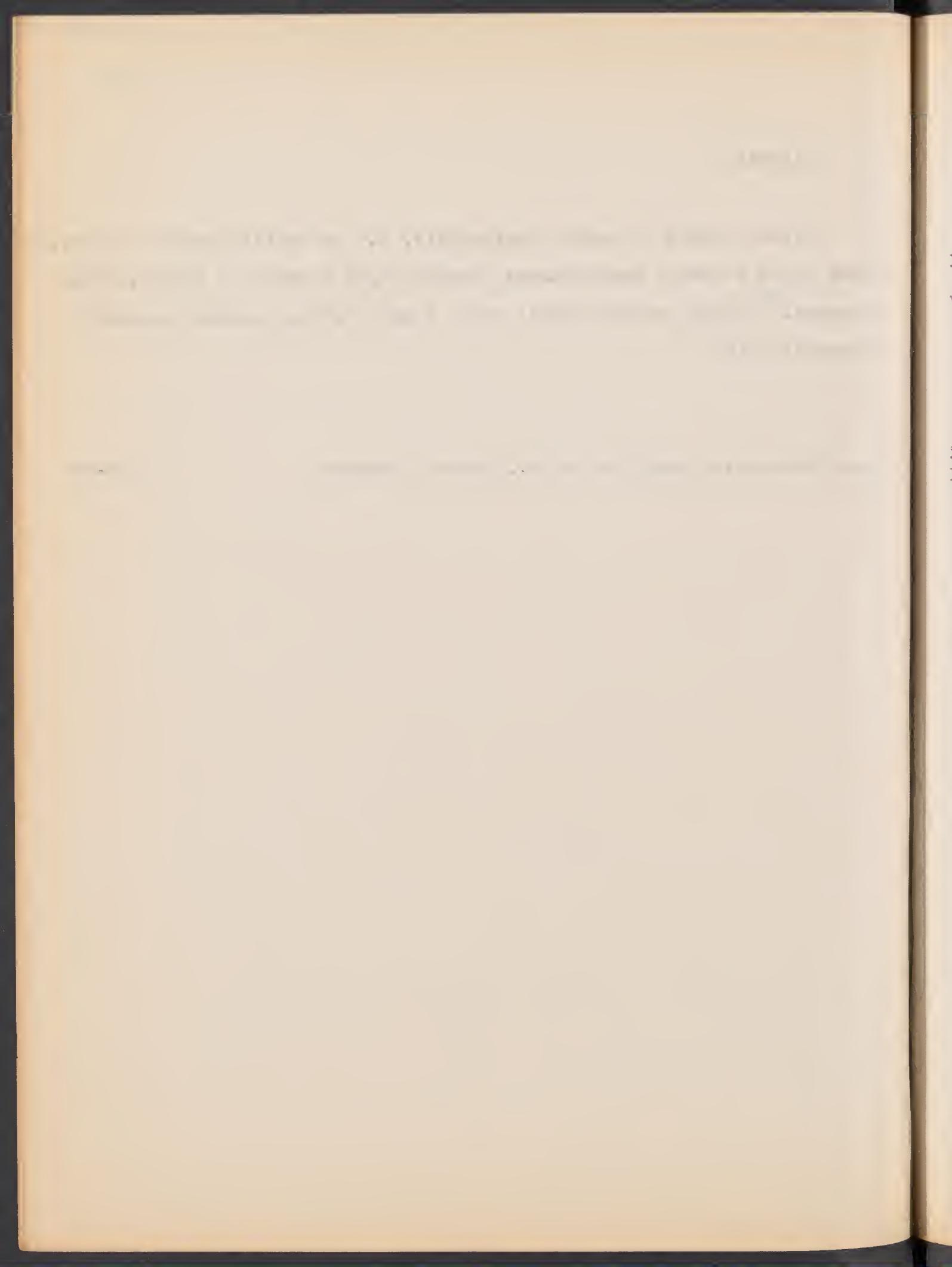
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Collybia

Pileus convex to nearly hemispheric, 2.5 cm striate sulcate on margin along gills somewhat hygrophanous, center Sayal brown rest light pinkish cinnamon, ^{gills} distant, adnate broad; stipe 6 cm x 2.5 mm, tapering downward, vinaceous buff

Limon Siquirres, Castilla, 20 m., Dodge & Goerger

7-25-36



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148

Collybia

Pileus 3 cm expanded convex, margin short striate, thin, slightly lacerate, Naples yellow, shading to white; gills adnate, close, narrow white; stipe 3 cm x 2.5 mm, white cartilaginous

Decaying log

~~Monte Arenal~~,
Limon, Siquirres, Castilla, 20 m., July 29 Dodge & Goerger

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13" x 15"

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Collybia

Pileus 2.5cm., hygrophanous; margin striate sulcate, expanded; disc
vinaceous cinnamon shading to pale cinnamon pink; margin white, somewhat
undulate

Gills ventricose, adnexed, subdistant, white

Stipe cartilaginous, white, 3.5cm. x 2.5mm., hollow

Costa Rica, Puntarenas prov., Osa, R. Sáñalo, 1-5m.

8-21-36

Dodge & Goerger

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158
138*Collybia oculatus* group var 4427

Pileus varying from 1.5-6 cm diam, moist, hygrophanous, disc tawny to Mars brown, margin light buff, striate or sometimes whole pileus pinkish cinnamon; gills adnate, subdistant, narrow, white, stipe 3-15 mm x 2-4 mm, smooth, tawny to pinkish cinnamon

Gregarious to cespitose

Costa Rica: Puntarenas Osa, near R. Terrones 30 m, Dodge 7668

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Collybia

Pileus hygrophanous, up to 3cm., margin faintly striate; disc yellow ochre, rest wax yellow

Gills crowded, narrow, adnate to very slightly decurrent, amber yellow
Stipe cartilaginous, tough, silky, wax yellow, 4cm. x 1.5mm., on
buttress roots of standing tree in forest (see photo)

Costa Rica, Puntarenas prov., Osa, R. Sandalo

8-22-36

Dodge & Goerger

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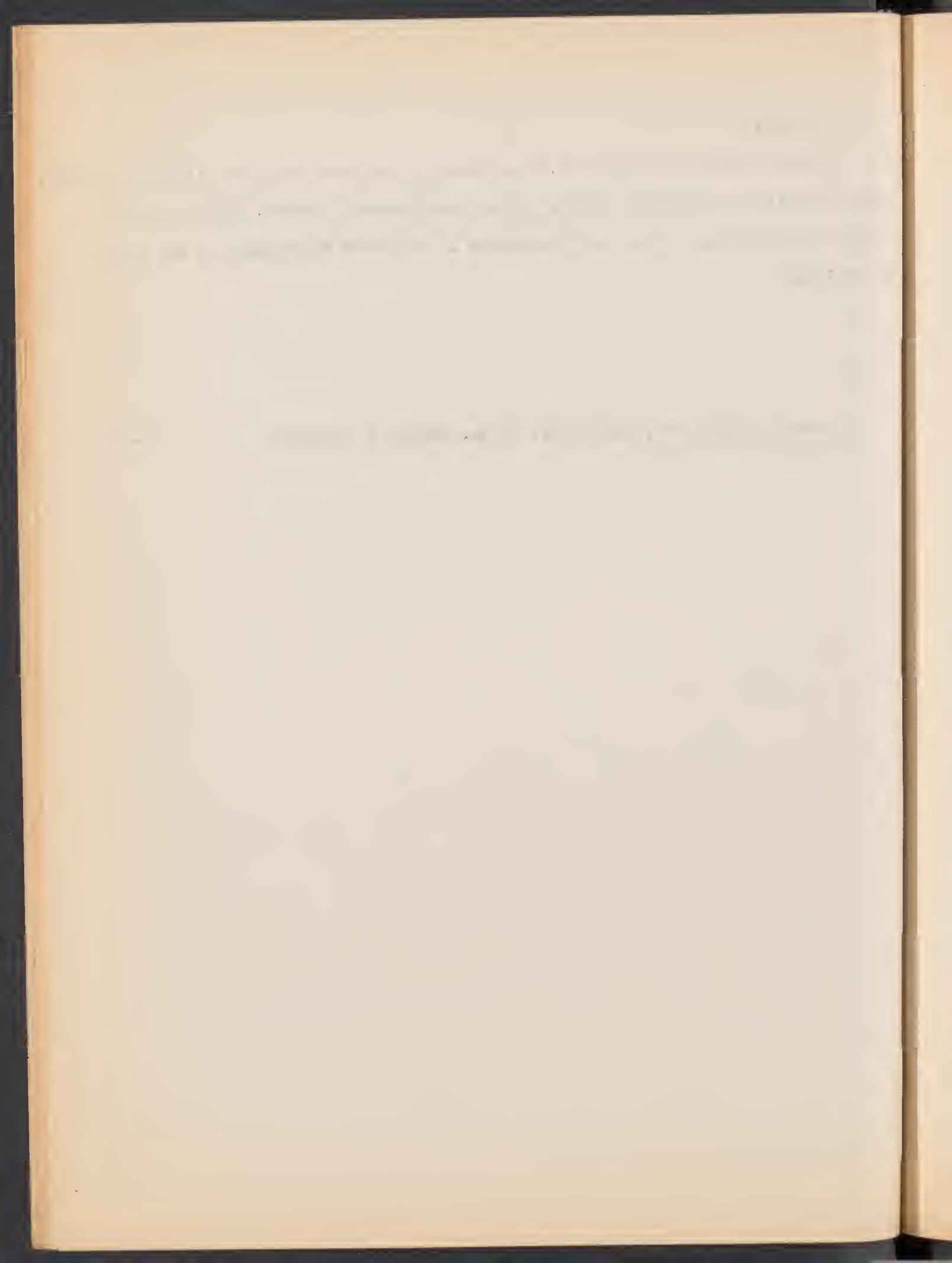
153

Collybia

Pileus flat, irregular 5.5 cm, margin striate sulcate, lighter center, avellaneous to vinaceous buff; gills subdistant, adnate, broad, white stipe compressed, white cartilaginous 5 mm above tapering to 2 mm below 7 cm long

Limon, Siquirres, Castilla, 20 m. Dodge & Goerger

7-25



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Collybia near *C. oculatus*
C. monilicola

Pileus 3 cm., smooth, pale ochraceous-salmon with russet umbo, margin sulcate, striate; flesh very thin, white; gills white, adnate with decurrent line, broad; stipe concolor or darker with cottony white mycelium, slender equal 4 cm. long, 5 mm. diameter.

No. agrees with above but pileus depressed slightly umbilicate gills adnexed without decurrent line, ventricose, stipe 8 cm long 4 mm diam

Specimens examined:

Costa Rica, Cartago, N.W. slope La Carpintera, Alt. 1550 m.

Dodge & Thomas, 4810

Puntarenas: Osa, Rio Sandoval 5-20 m Dodge

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Collybia

Pileus 5 cm, flat then edges upturned, moist not viscid, deeply sulcate striate over gills, disc between mummy brown and dresden brown shading ~~light~~ to light buff, semipellucid, margins; gills rather thick, edges eroded, white, adnate, broad; stipe cartilaginous hollow, 7 cm x 4-2 mm tapering downward, Sayal brown except 1 cm at apex which is white

SanJosé, Santana, cañon R. Uruca, Dodge & Goerger

9-8-36

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Collybia

Pileus 2.2cm., center depressed, striate sulcate to disc, warm buff to light buff margin

Gills subdistant, adnate, broad, white

Stipe 1.2cm. x 1-1.5mm., tapering downward, cartilaginous, concolorous above, deeper below

On decaying liana

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m.

8-21-36

Dodge & Goerger

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Collybia

Pileus very thin, 4 cm, plane, slightly umbilicate, margin sulcate, wood brown shading to fawn disc; gills narrow, crowded, adnate tilleul buff; stipe tough, catilaginous, 6 cm x 2 mm, white, cottony over fawn or darker.

Costa Rica: Limon, Castilla 20 m, Dodge 7213

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Collybia

Pileus 1.8cm., center depressed, margins elevated, sulcate striate,
smooth; diac warm sepia, rest Verona brown

Gills adnexed to almost free, ventricose, white, close

Stipe cartilaginous, 2cm. x 1-1.5mm., tapering downward, white above,
concolorous below

Costa Rica, Puntarenas prov., Osa, R. Sandalo, 1-5m.

8-21-36

Dodge & Goerger

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Collybia

Pileus very irregularly expanded, margins upturned and inrolled
crispèd, center depressed and umbilicate, mikado brown to pinkish buff,
striae, sulcate over gills, 7 cm in diameter; gills broad, distant, a
adnate, pinkish buff; stipe hollow cartilaginous innate fibrillose
striae, mikado brown or lighter 5 cm x 8 mm.

Puntarenas, Osa, R. Sáñalo 2 m., Dodge & Goerger

9-1-36

of the American Revolution
and the War of 1812
and the Civil War
and the Spanish-American War
and the World War

132

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Collybia

Pileus flat to slightly umbilicate with irregularly upturned margins, striate over gills to disc, 2 cm, disc mikado brown, rest light ~~rinaceous~~ cinnamon, striate with Mikado brown; gills adnate to thickened apex of stipe but appearing free, white narrow close; stipe 4 cm x 1.5 mm, hollow cartilaginous tough, mikado brown, smooth

Under Chusquea

San José, Santana, cañon of R. Uruca, Dodge & Goerger

9-8-36

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Collybia

Pileus 5 cm, depressed, disc hazel shading to antimony ^{waldeckeri} margin which is rugose-striate, hygrophanous; gills thick, broad, interveined sinuate; stipe cartilaginous, hazel tapering downward, heavily tomentose 4 cm x 4-2 mm

In virgin forest

Costa Rica:Limon, Waldeck 40 m, Dodge 7281

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Collybia

Pileus 2.3cm., flat, center depressed; margin striate over gills,
cinnamon fufous to apricot buff

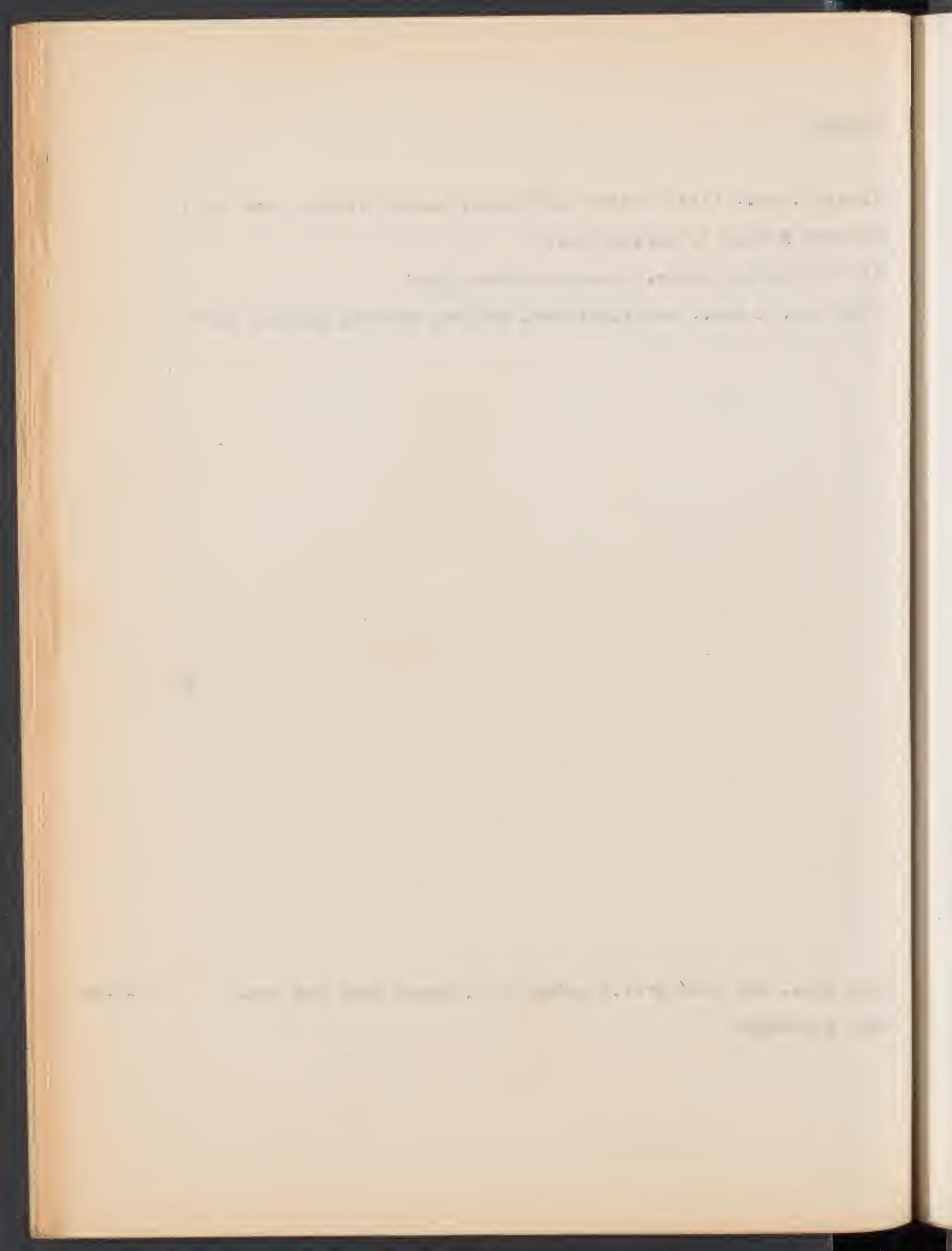
Gills distant, narrow, adnate, apricot buff

Stipe 2cm. x 2mm., cartilaginous, hollow, smooth, apricot buff

Costa Rica, San José prov., cañon of R. Uruca near Sta Ana,

9-8-36

Dodge & Goerger



Collybia, large watery

?Hygrophorus. (see field notes on spec. same locality Nov. 6

On dead log in potrero south of house

Costa Rica: San José Province, Rancho Redondo 2180-2200 m.,

Dodge 5158

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Collybia or n. gen.

Pileus 4cm., convex to expanded, striate margin; disc pecan brown shading to buff pink; margin white

Gills white, narrow, crowded, free

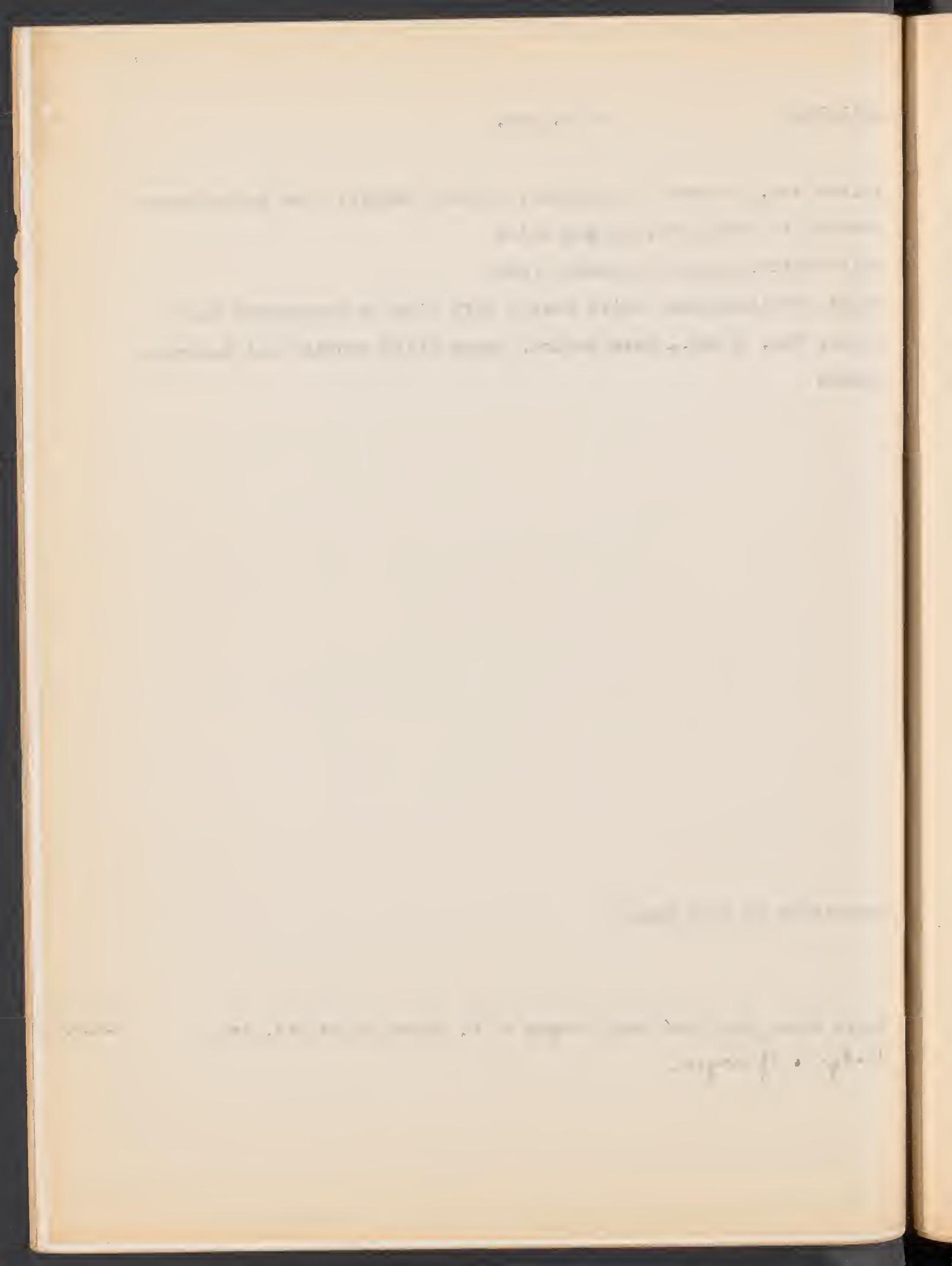
Stipe cartilaginous, white above, buff pink to ochraceous buff below, 6cm. x 2mm. when mature, young stipe shorter and tapering upward

Caespitose on leaf mould

Costa Rica, San José prov, canon of R. Uruca below Sta. Ana

9-8-36

Dodge & Goeger



Collybia
New Genus, free gills.
Mycena?

Stipe cartilaginous, stiffea, flattened, 4cm. long #
5 mm. white.

Mossy log

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2500, Dodge & Thomas

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Collybia but gills free

Pileus dresden brown disc mummy brown, campanulate, 2 cm in diam.
1.2 cm tall, innate fibrillose margin narrowly and very slightly striate,
not sulcate; gills free, close white narrow
stipe cartilaginous compressed, splitting hygrophanous, brown scaly at
apex, 4.5 cm x 2 mm, white

Palm forest

Limon, Siquirres, Castilla, 20 m., Dodge & Goerger

7-28-36

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Crepidotus n. sp.

Pilcus up to 8mm., surface densely fibrous, scaly, margin lacerate, extending beyond gills, between ochraceous tawny & buckthorn brown
Gills concolorous or ~~deeply~~ darker, broad, ventricose, edge eroded or appearing so from remains of veil, adnate, subsinuate
Stipe lateral, 0.3cm. x 1mm., fibrous, tomentose, lighter.

On decaying wood in forest along quebrada

Costa Rica, San José prov., Guayabillos, 2300m.

7-10-36

Dodge & Goergen

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Crepidotus

Pileus up to 3 X 6 cm., dimidiate "conic" becoming flattened, floccose, russet, tomentose which finally shows as ~~±~~ pyramidal scales, moist, buckthorn brown margin smooth crisped edge

Gills ventricose, decurrent, white becoming wood brown

on Eucalyptus

Costa Rica, San José prov., Guayabillos

7-16-36

Dodge & Goerger

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Crepidotus

Pileus demide, 2.5 X 1.5, densely strigose with russet hairs especially towards margin

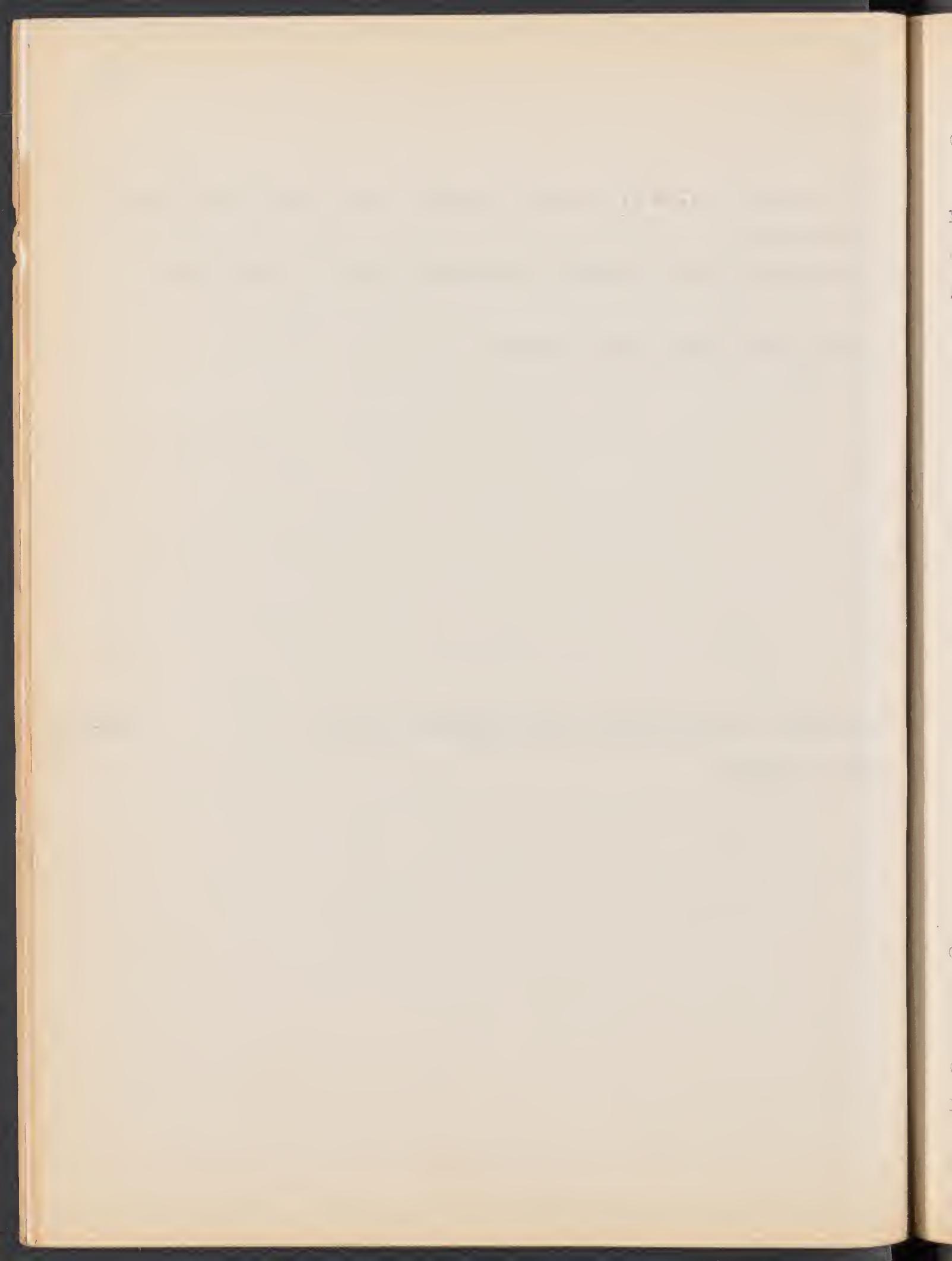
Stipe lateral, gills decurrent, ventricose, white to flesh pink.

Decaying bark on log along quebrada

Costa Rica, San José prov., Rancho Redondo, 2250m.

7-15-36

Dodge & Goerger



Crepidotus

Pileus dimidiate, light drab, strongly lomentose; margin smooth,
gills purple brown, close, narrow, minute to point of attachment
stipe very short and small; pileus marginate behind

On decaying Heliconia

Costa Rica, Puntarenas prov., Osa, R. Terrones, 1-5m.

8-29-53

Dodge & Goerger

Lepiota idotis

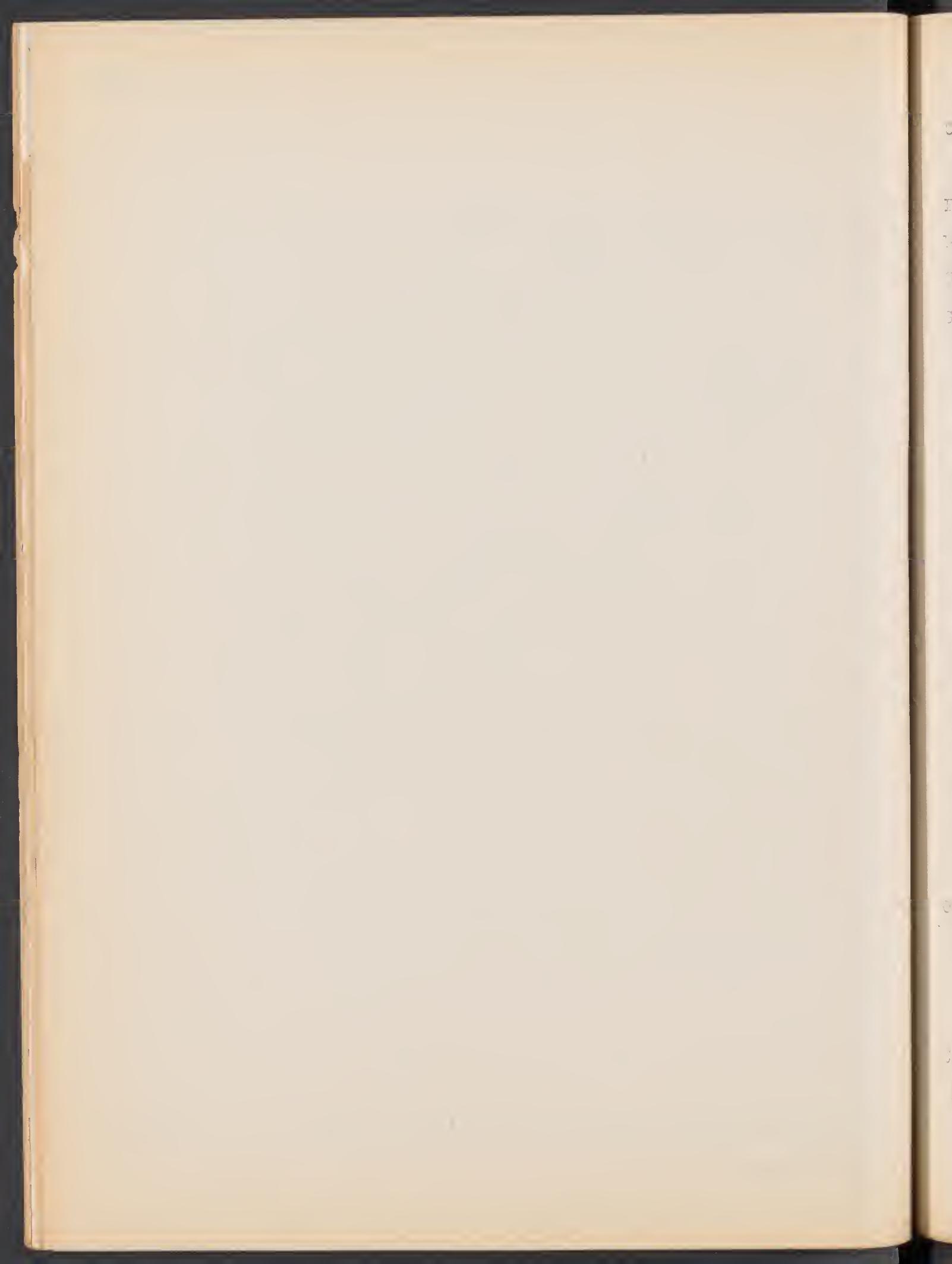
pileus convex, radially white, 1.5cm.

gills brown, subistant, broad

Costa Rica, Puntarenas prov., Osa, R. Sinalo, 1-51.

Bridge & Goergen

2-22-30



Crepidotus

Filous flabelliform, cespitose, marginal behind; margin striate,
 hygrophanous (collected after rain), pile dark gray
 gills narrow, close adnate, buffy brown
 stipe short, pellucid, eccentric

Locality 1

Cost Rica, Puntarenas prov., Osa, R. Sardalo, 1-5m.
 Dodge & Goenger

8-15-36

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of n. gen.

pile out up to 3cm., convex becoming flat, wavy; r. in stripes,
 very thin, smooth, cinnamon to pinkish buff
 pile subdistant, white, narrow, adnate
 stipe cartilaginous, fragile, 1.2cm. x 2mm, with a small, fragile
 ring, pinkish buff

Costa Rica, San José prov, Fincho Bellondo, 2500m.

7-14-70

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Mycena yringens?

pileum cypselulate, fibrillose, pinkish or buff; flesh thicker on disc, white

gills close, narrowly adnate, narrow, deep lavender

Stipe cartilaginous, deep lavender within (upper part) white below, lavender above, buff below, 3cm. at 3mm.

On mossy bank

Costa Rica, San José prov., Ancho Redondo, 2100m.

7-13-56

Dodge & Goerner

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Pileus lem., yellowish fading to tilleul buff; margin very slightly
striate, thin

Gills close, narrow, adnate, avellaneous

Stipe lem. or lam. or less, silky, avellaneous or darker

On fallen fruit of Theobroma (small, spherical with broad ribs)

Costa Rica, Limón prov., Castilla farm, 20m.

7-25-56

Dodge & Goerger

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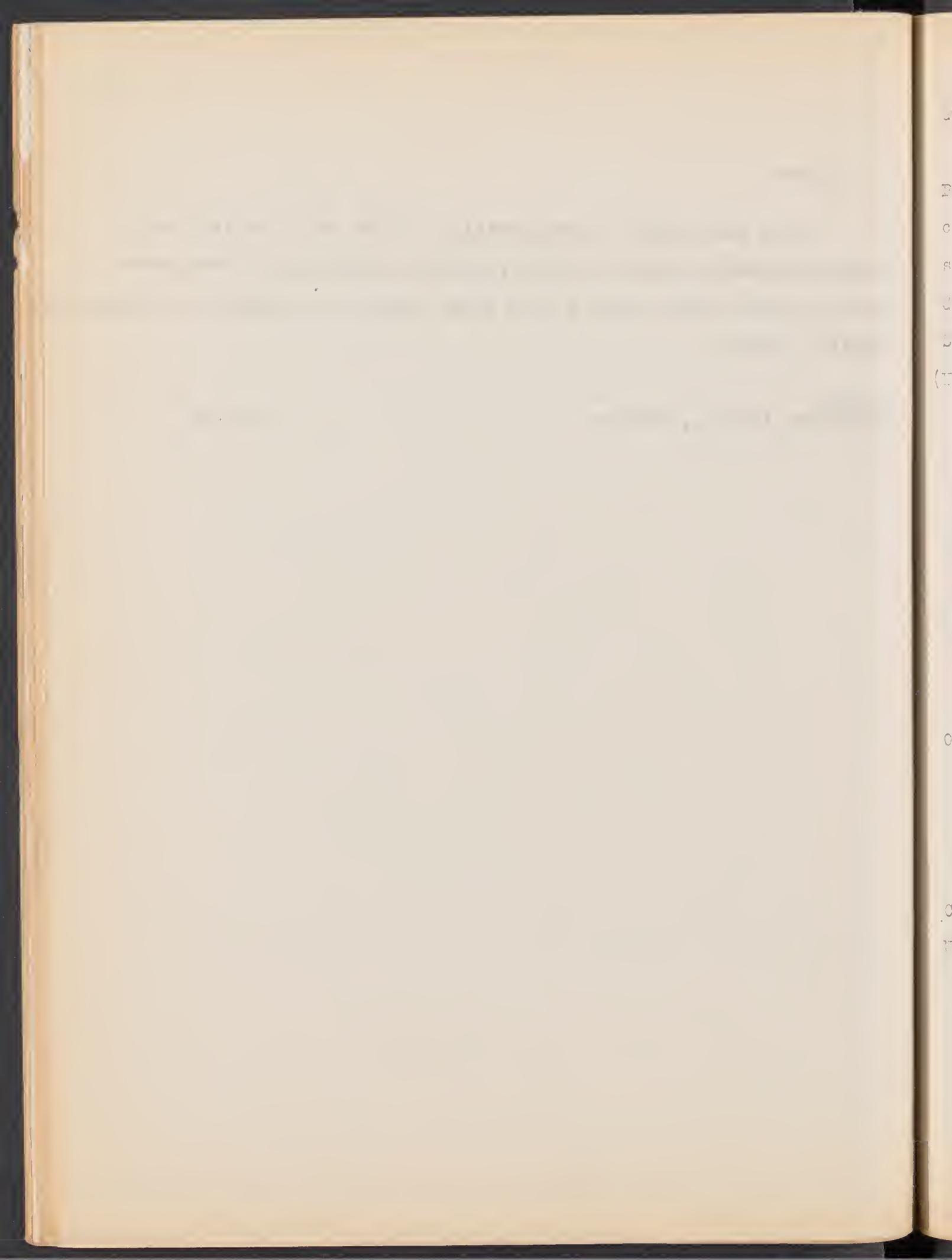
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Galera

Pileus hemispheric to campanulate, 1.5 cm, disc prouts brown, margin ochraceous tawny, 1 cm tall, margin striate; gills ochraceous adnate, close, broad, stipe 7 cm x 2 mm, concolor or lighter, cartilaginous fragile, smooth

Heredia
Chahuites, 1600 m., Goerger

9-11-36



Jallera

Pileus 1-1.5 cm., flat or center somewhat depressed with prominent conical white hygrophanous, white antimony yellow, rest warm buff with striate ochraceous tawny margin.

Gills broad, adnate to very slightly decurrent, subdistant, Sudan brown

Stipe 1cm. x 1.5mm., bay above, whitish cottony below

(Young specimens in Milling fluid)

On fern roots.

Costa Rica, San José prov., San Pedro de Montes de Oca,

8-3-36

Revermann & Goerger

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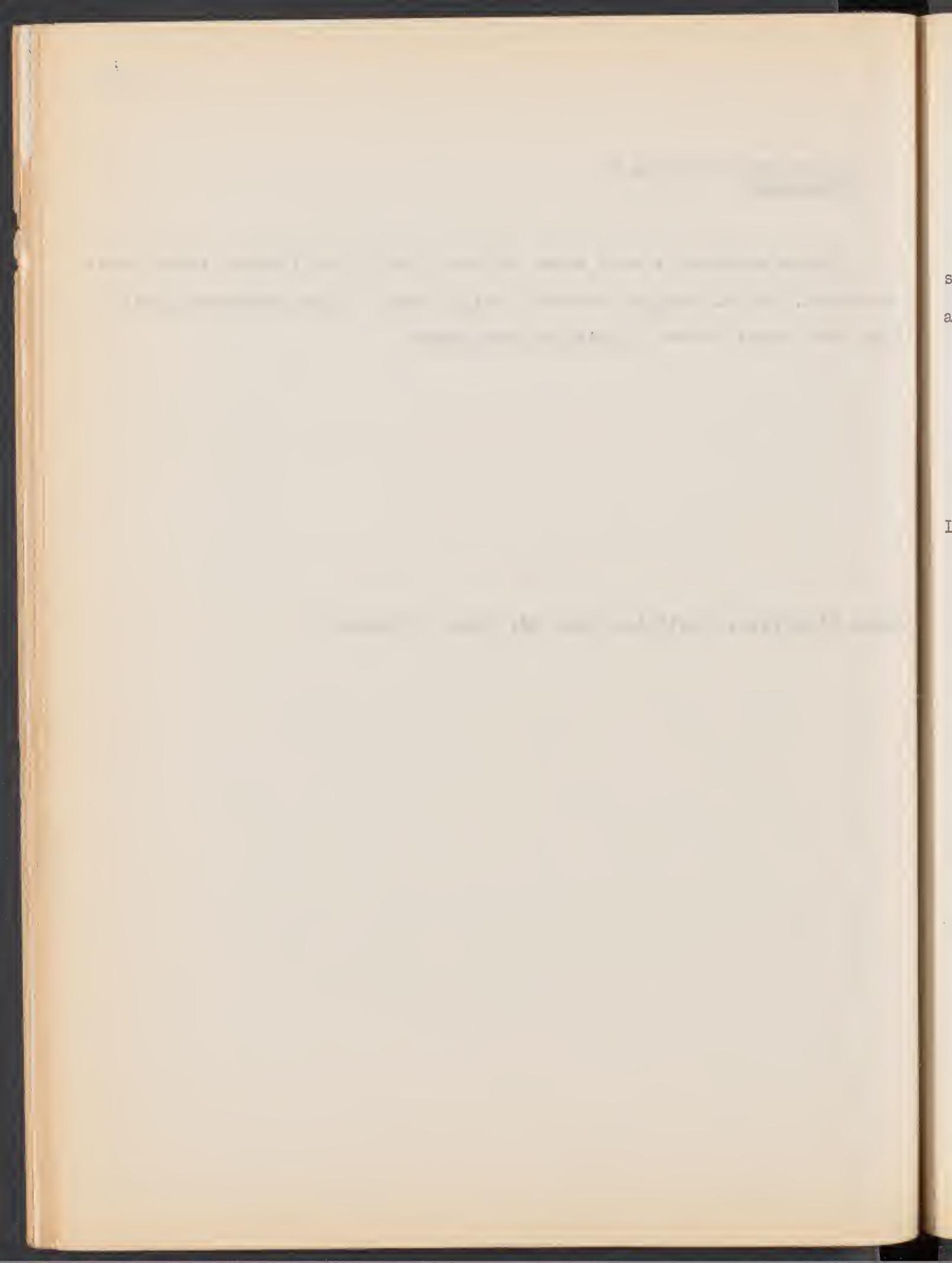
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Geopetalum copulatum ??
Crepidopus

Pileus cuneate, 4 cm x 4 cm, crisped finally splitting, lobes about 7 mm broad, white, margins striate, gills broad, close, decurrent white stipe very short, 5 mm at point of attachment

Limon, Siquirres, Castilla, July 23, Dodge & Goerger



Geopetalum

Pileus flabelliform, 2 cm, smooth, white, hygrophanous, margin striate, lobes 3 mm x 5 mm long; gills, decurrent along point of attachment which is 5 mm long and wide

Limon, Siquirres, Castilla, Dodge & Goerger

7-25-36

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Hygrophorus

Pileus umbilicate, convex, 5 cm in diameter, dragons blood red fading to terra cotta, dry; gills waxy white, subdistant, sinuate adnate, broad; stipe compressed, 5.5 cm x 10-6 mm, light cadmium to lemon chrome, cartilaginous hollow

In soil in forest

Puntarenas, Osa, R. Sáñalo, 2 m. Dodge & Goerger

8-25-36

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Hygrophorus

Pileus convex, 2 cm. viscid(?) slightly depressed incenter and lighter, coral red; gills white, waxy, sinuate adnate with decurrent tooth broad; stipe viscid, 4.5 cm x 3 mm cartilaginous light cadmium, semipellucid

Puntarenas, Osa, R. Sández, 2 m., Dodge & Goerger

8-27-36

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Hygrophorus

Pileus viscid, flat, margins very irregularly elevated, white, rest coral pink; gills thick waxy, edges eroded broad, subdistant, white; stipe cartilaginous semipellucid coral pink, 3 cm with thickening suggesting a ring about 1 cm below apex, 4-5 mm tapering downward

Puntarenas, Osa, R. Sáñalo, 2 m., Dodge & Goerger

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Hygrophorus

Pileus 3 cm, expanded to flat, disc eventually lacerate, viscid margin slightly striate, Corinthian red shading to Corinthian pink; gills thick, white, broad, close, adnexed; stipe pellucid above cortina, Corinthian pink below white cottony becoming vinaceous tawny where handled wholly viscid, 4.5 cm x 5 mm

Cespitose in soil

Puntarenas, Osa, R. Sáñdalo, 2 m., Dodge & Goerger

9-1-36

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Hygrophorus

Pileus convex, viscid, 2 cm deep vinaceous, lighter at margin;
gills waxy white, broad close apparently free[but somewhat eaten]
stipe white pruinose above, viscid below where handled, concolor,
3 cm. x 4 mm.

Puntarenas, Osa, R. Sández, 2 m., Dodge & Goerger

8-27-36

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Hygrophorus

Pileus 1.7 cm., very viscid, margin thin almost white, deep chrome striate to disc which is grenadine red; gills ~~waxy~~ waxy, subdistant, adnate white; stipe viscid to apex, cartilaginous shining 4 cm x 2 mm, grenadine red above shading to deep chrome

Puntarenas, Osa, R. Sáñalo, 2 m., Dodge & Goerger

8-21-36

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Hygrophorus

Pileus viscid, 1.5 cm., convex, umbilicate, striate to disc.

Nopal red, margins white or nearly so; gills subdistant, waxy light orange buff, adnate; stipe cartilaginous, viscid, 3 cm x 2 mm, cadmium yellow

Puntarenas, Osa, R. Sáñalo, 2 m., Dodge & Goerger

8-27-36

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Hygrophorus

Pileus convex, 1.3 cm, slightly spongy tomentose, scarlet red,
gills thick, waxy, white adnate with decurrent tooth; stipe 4 cm x 33 mm
fleshy, silky, cadmium yellow or lighter

Puntarenas, Osa, R. Sandalo, 2 m., Dodge & Goerger

8-24-36

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Hygrophorus

Pileus convex 1.5 cm in diam, viscid, spectrum red, margin undulate more or less lacerate, not striate; gills white, waxy, broad, subdistant, slightly decurrent, edges eroded; stipe cartilaginous, viscid, scarlet, 4 cm x 2 mm.

Puntarenas, Osa, R. Sáñalo 2 m., Dodge & Goerger

9-1-36

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Hygrophorus

pileus 3.5 cm, center depressed, margins irregularly elevated, viscid center wax yellow, margins ochraceous orange; gills broad, adnate, subdistant, amber yellow to straw yellow; stipe color of gills, viscid, cartilaginous, hollow, compressed, semipellucid, 6 cm x 8 mm.

Specimen same locality Aug. 25, pileus 4.5 cm, irregularly expanded, margin very faintly striate, wax yellow to amber yellow, dry; gillssinuate adnate, white; stipe wax yellow, ~~about~~ 5 cm x 6 mm.

Puntarenas, Osa, R. Sáñalo, 2 m., Dodge & Goerger 9-1, 8-25, 36

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Hygrophorus

Pileus convex, slightly umbilicate, 1 cm, dry, disc lighter color than rest which varies from cadmium yellow to lemon chrome; gills white, subdistant, slightly decurrent, narrow (fully mature); stipe 2 cm x 3 mm.

lemon chrome

Puntarenas, Osa, R. Sáñalo, 2 m., Dodge & Goerger

8-27-36

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Hygrophorus

Pileus hemispheric in smallest specimen to expanded in largest, very viscid, scarlet red to scarlet to orange chrome on largest, 5-19 mm; gills white at first, becoming Naples yellow, close, waxy, free or nearly so narrowly ventricose; stipe fragile, scarlet above to light cadmium below, becoming lemon yellow above to white below, moist, innate fibrillose ~~xxxx~~ silky, 1-3.5 cm x 1-3 mm.

Under Chusquea

San José, Guayabillos, 2300 m., Dodge & Goerger

7-7-36

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Hygrophorus flammea
bella (cf. spores)

Pileus cadmium orange fading to Strontian yellow, 2-4.5 cm. deeply umbilicate, irregularly convex; gills subdistant, waxy, broad, concolor with stipe or paler, decurrent; stipe cadmium yellow to strontium yellow 5 cm x 8-5 mm tapering downward, waxy.

Under Chusquea

San José, Guayabillos, 2250 m Dodge & Goerger, July 11

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Hygrophorus

Pileus flat, 5-6 mm., cracked, surface moist, not viscid, smooth, coarsely striate margin when old, hair brown to chaetura drab; gills thick, distant, slightly decurrent, white; stipe 2 mm wide, 5 mm tall concolor, smooth; whole very hygrophanous, no ring

San José, Guayabillos, 2300 m., Dodge & Goerger

7-6-36

S

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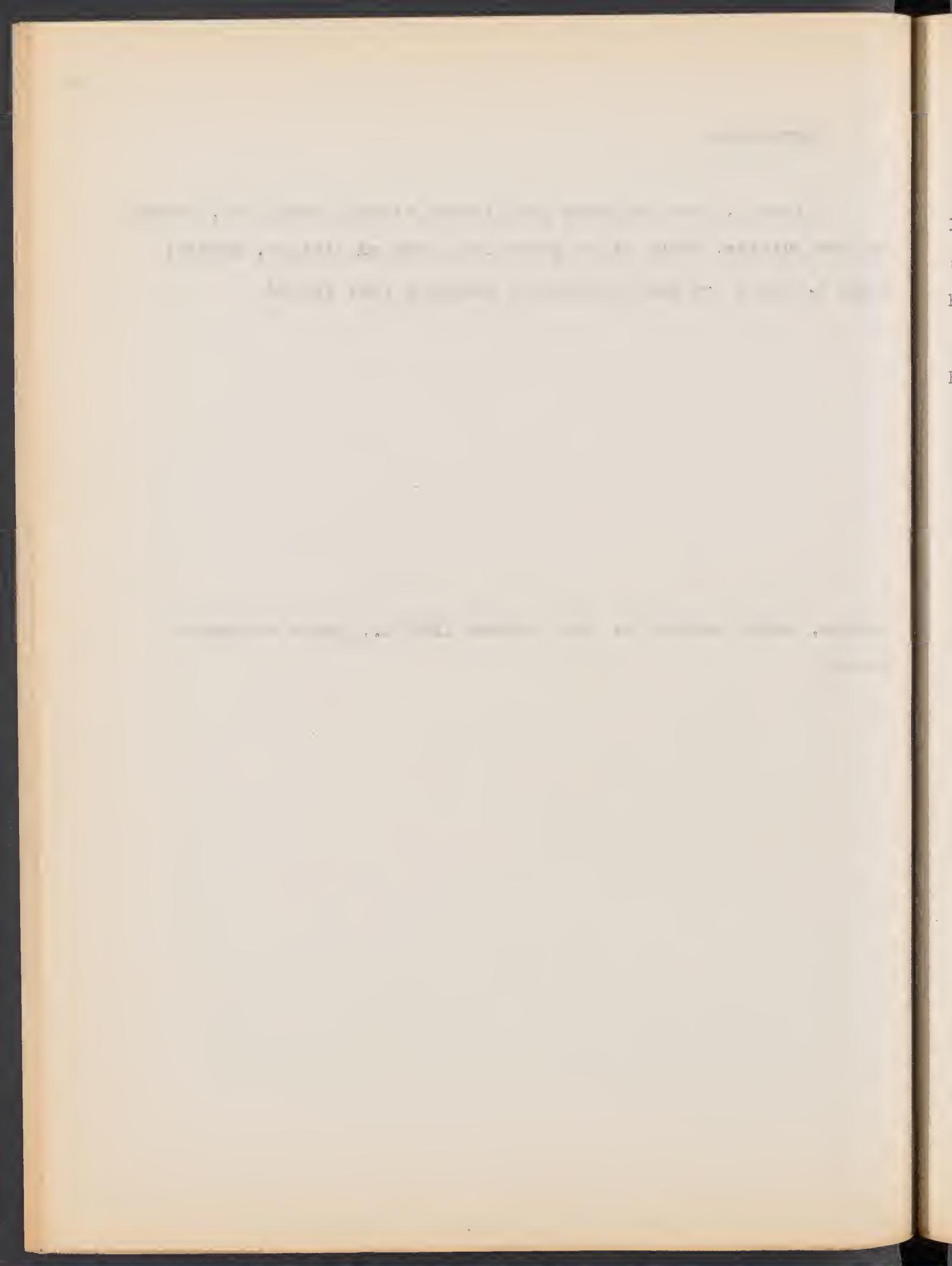
H

8

Hygrophorus

Pileus 1.5 cm, expanded umbilicate, viscid, nopal red, margin striate sulcate, thin, gills peach red, waxy ~~xx~~ distant, adnate; stipe 1.7 cm x 3-4 mm, ventricose, mahogany red, viscid

Heredia, Santo Domingo de Sta. Barbara 1500 m., Dodge & Goerger
8-7-36

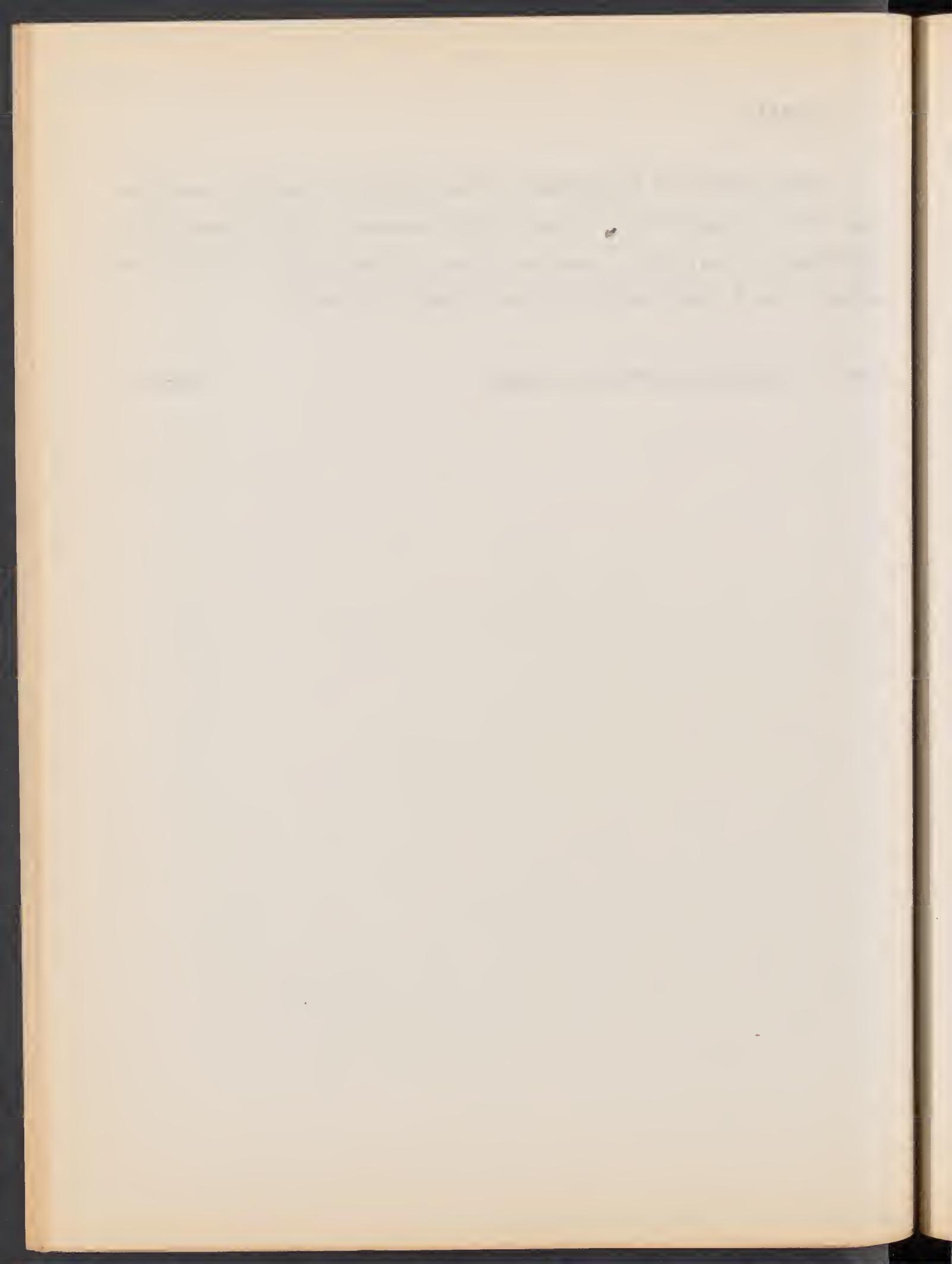


Laccaria

Pileus convex to hemispheric, disc slightly meruliod, margins long striate, dark livid brown; gills lavender, slightly decurrent, subdistant, broad; stipe concolor above, lighter below, cartilaginous hollow, 4 cm x 3 mm, pruinose above, fibrillose below.

Heredia, Chahuites, 1600 m., Goerger

9-11-36

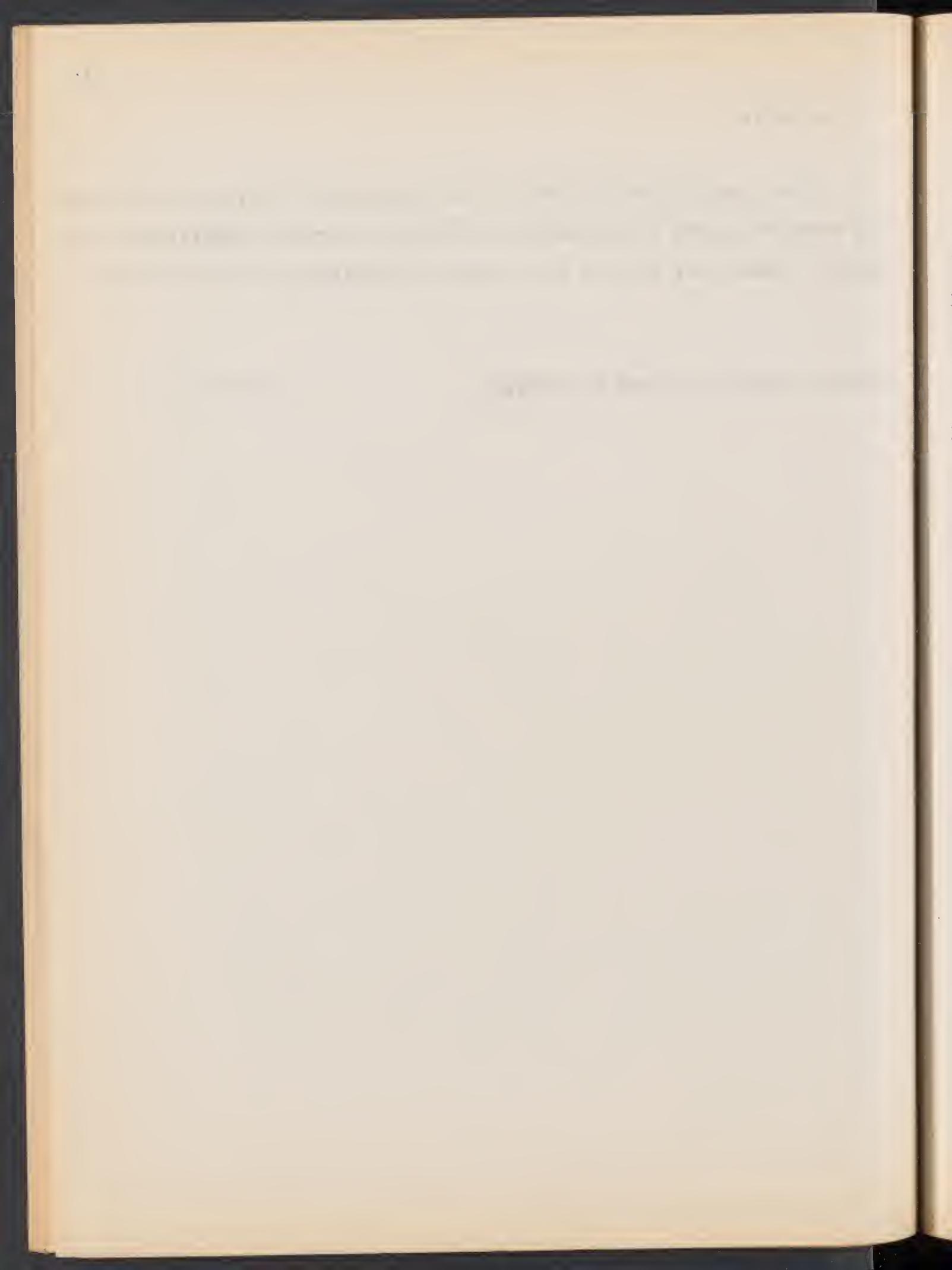


Laccaria

Pileus campanulate, 1.5 cm x 1 cm. high, margin striate, avellaneous and vinaceous buff; gills adnate to slightly decurrent, subdistant, broad white or nearly so; stipe 4 cm x 3 mm, cartilaginous, hollow, concolor

Heredia, Chahuites, 1600 m., Goerger

9-11-36



Laccaria ?

Pileus 2.5 cm, convex, sulcate striate over gills; disc and striae Prussian red, rest ochre red; gills very slightly decurrent, subdistant broad, lavender; stipe 4 cm x 2-4 mm tapering upward, cartilaginous hollow, hygrophanous, innate fibrillose

Heredia, Chahuites, 1600 m., Goerger

9-11-36

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Lepiota?

Pileus 1.5 cm, pyramidal scaly on mars brown disc, appressed scaly over rest, margin appendiculate; gills free, crowded white, ventricose stipe smooth above, cortinate tomentose below, Etruscan red, ligher above, darker below, 1.8 x 1.5-3 mm tapering downward.

San José, Santana, cañon of R. Uruca, Dodge & Goerger

9-8-36

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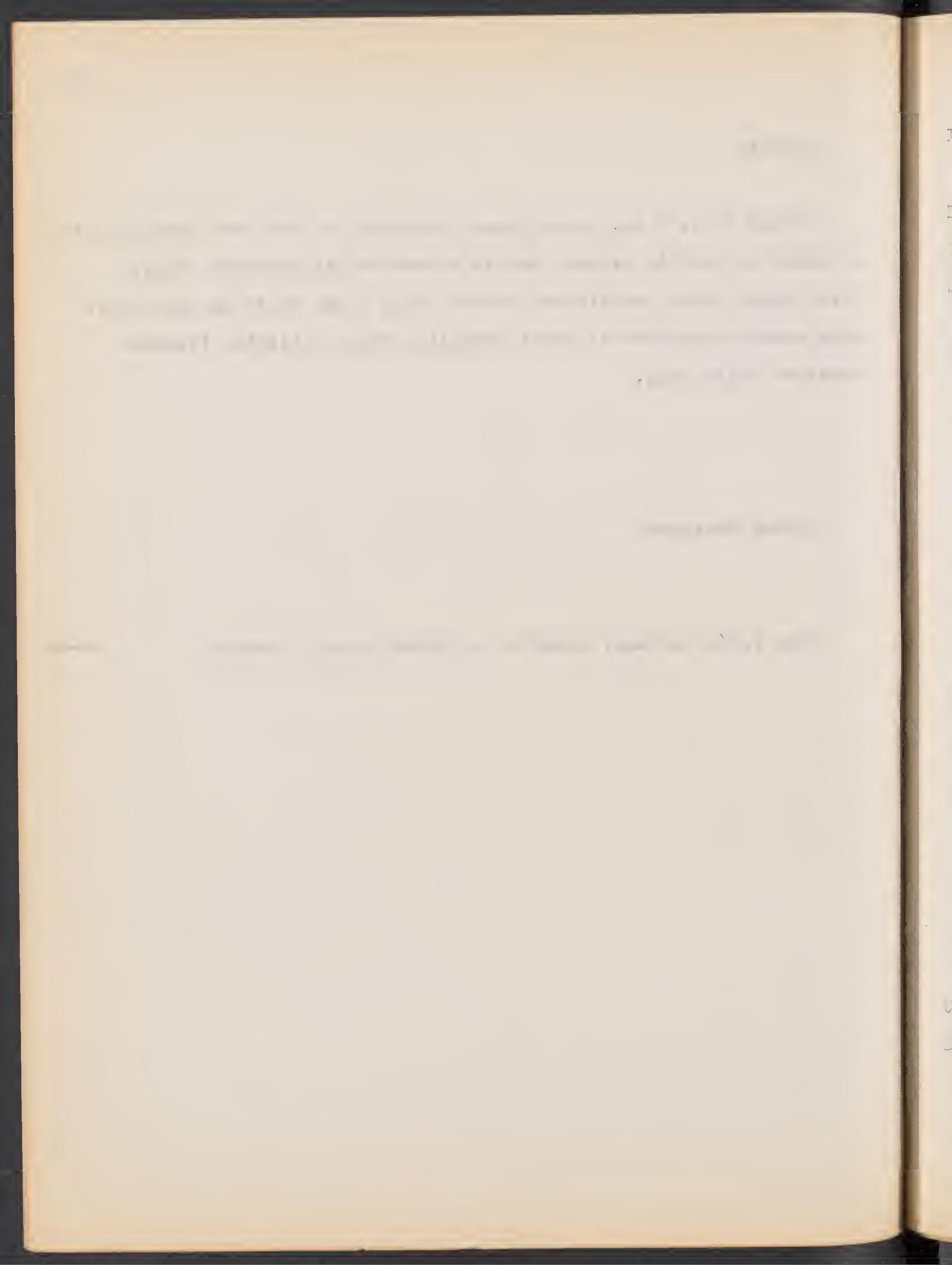
Lepiota

Pileus flat, 2 cm., disc tawny, breaking up into very small, scattered scales on a white ground, margin appendiculate lacerate scaly; gills white, free, ventricose, close; stipe 3 cm, white or nearly so, silky above ring which is erect, fragile, white, slightly floccose tomentose below ring.

Under Chusquea

San José, Santana, cañon of R. Uruca, Dodge & Goerger

9-8-36



2.00

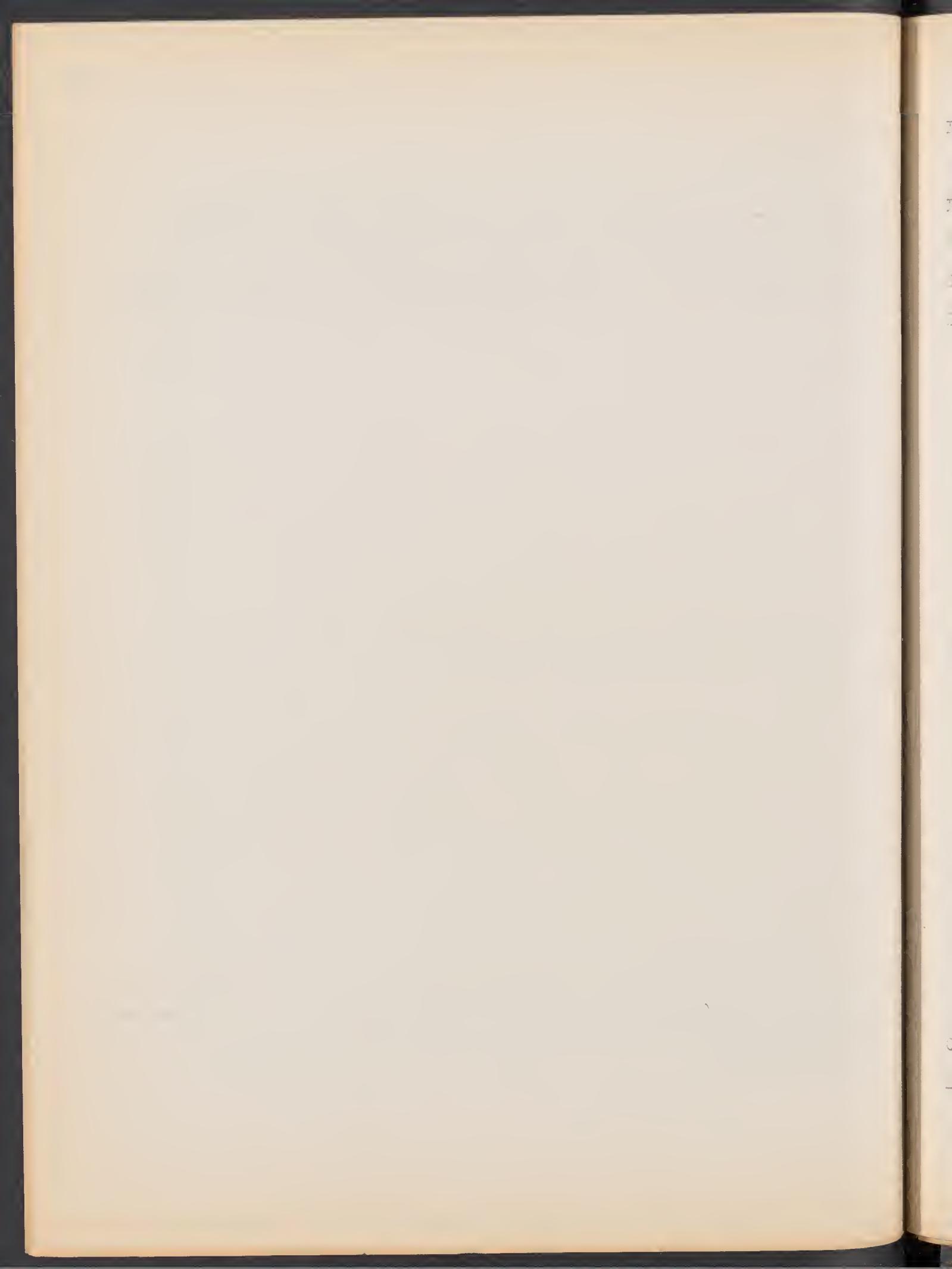
Tectaria

Pilous lvs., dark green, slightly decurrent; margin pilose
gills free, ventricose, edges fimbriate white, rest buff, dark
stipe 1.5cm. or less, white, cartilaginous, tapering down.

Costa Rica, Limón prov., C. still low, 201.

R-26-30

Aug. 2 Boerner



Tectaria

Piled - Corrugated like ridges so that leaves lie on them
and cover, shrub-like plants

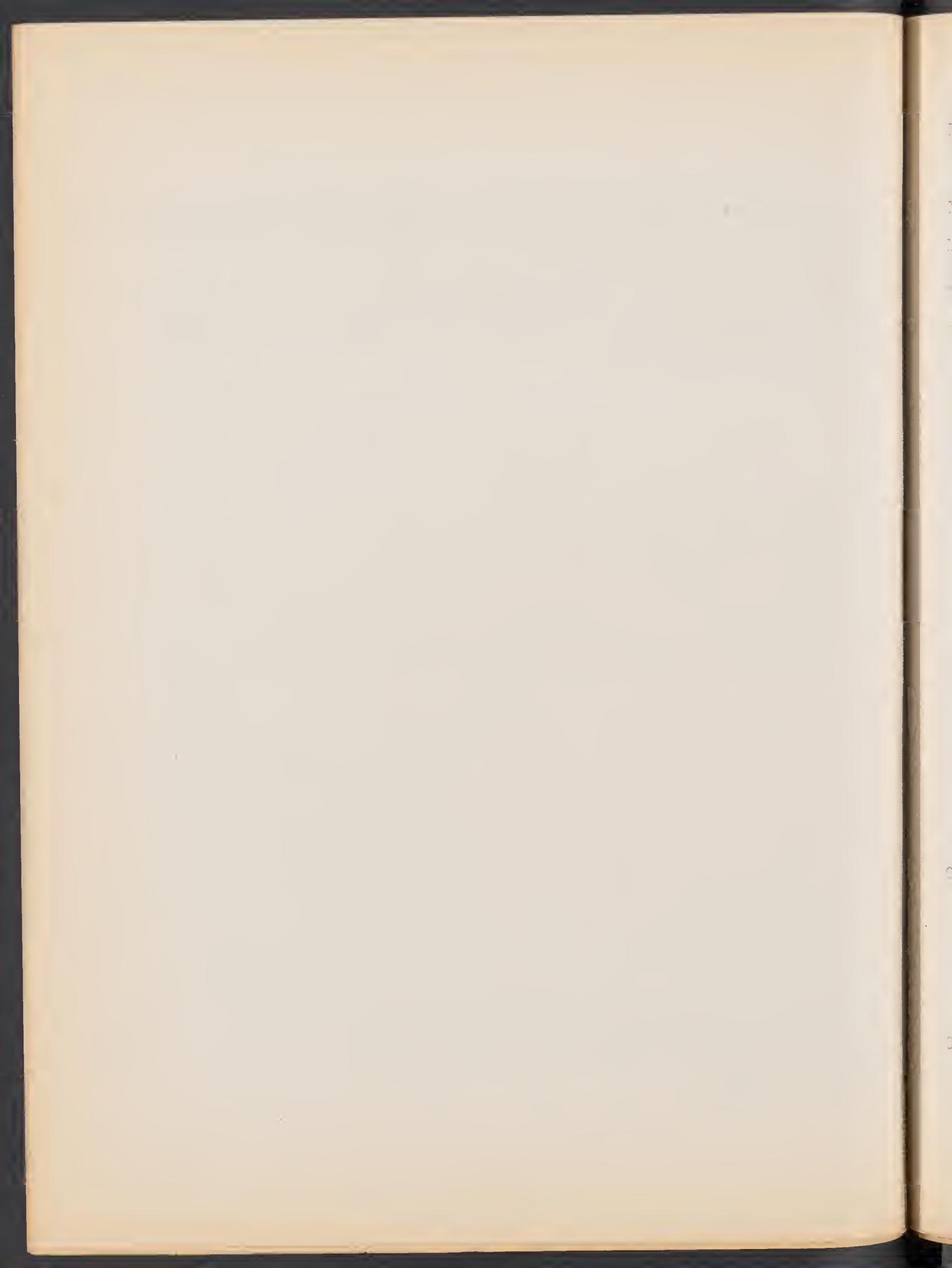
Stems delicate, crowded, narrow, V-shaped

Stipe cartilaginous, hollow, 4cm. at base, white below, turning to
yellowish buff at base

Cost. like, Linden leaves, till 2cm., 20+,

Sedge & Goosner

7-23-30



Tropicana

Films somewhat; fine stiff hairs - like coconuts, fig 75
described now.

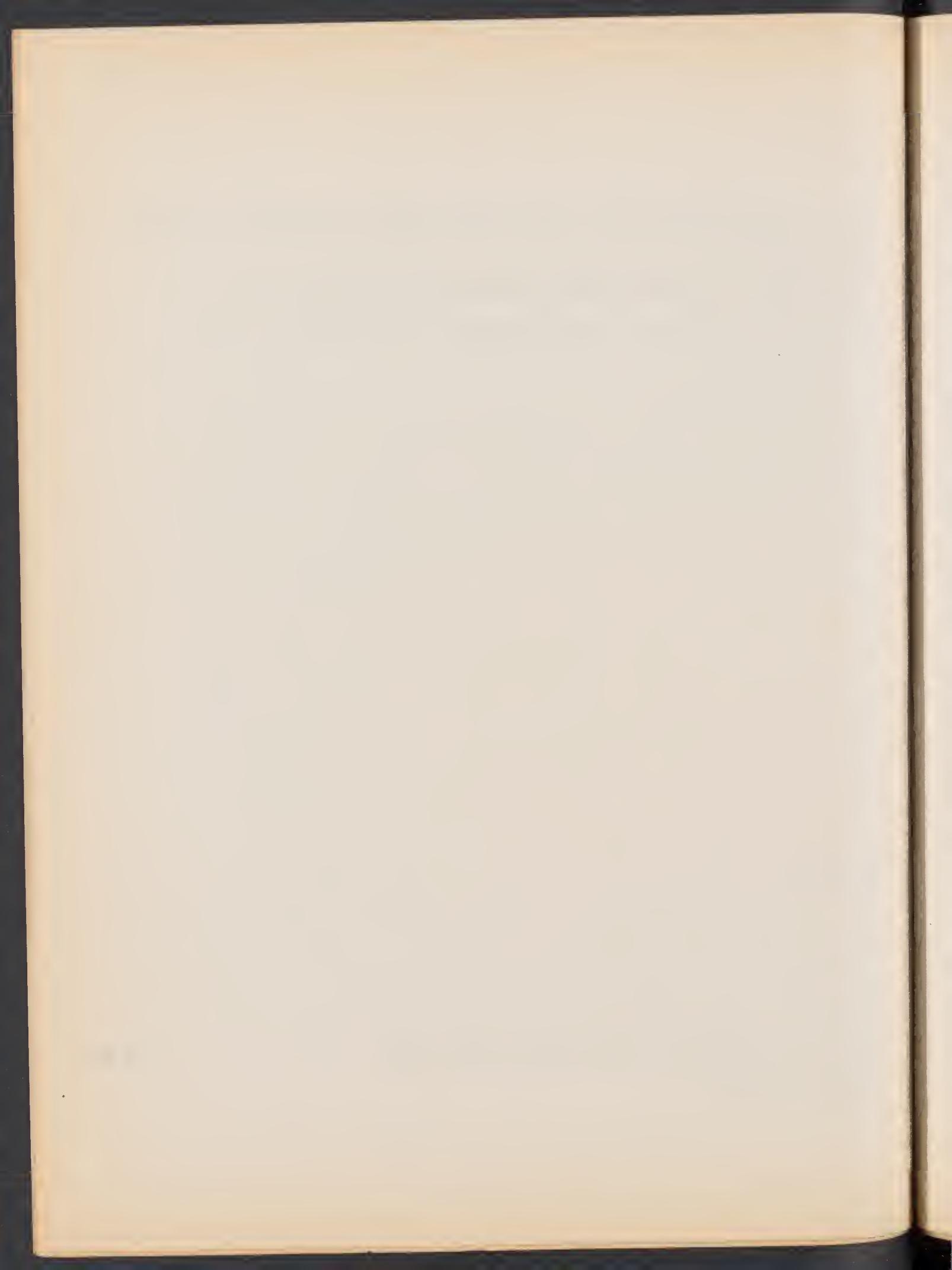
All crowded, coarse, files of small hair, continuing with
stipe 5 cm. to 2.5 mm., tapering upward, film loose

On soil?

Soil like, Tropicana, Castillo, P.R., 20m.

7-53-30

Dodge & Doergor



Tomenti

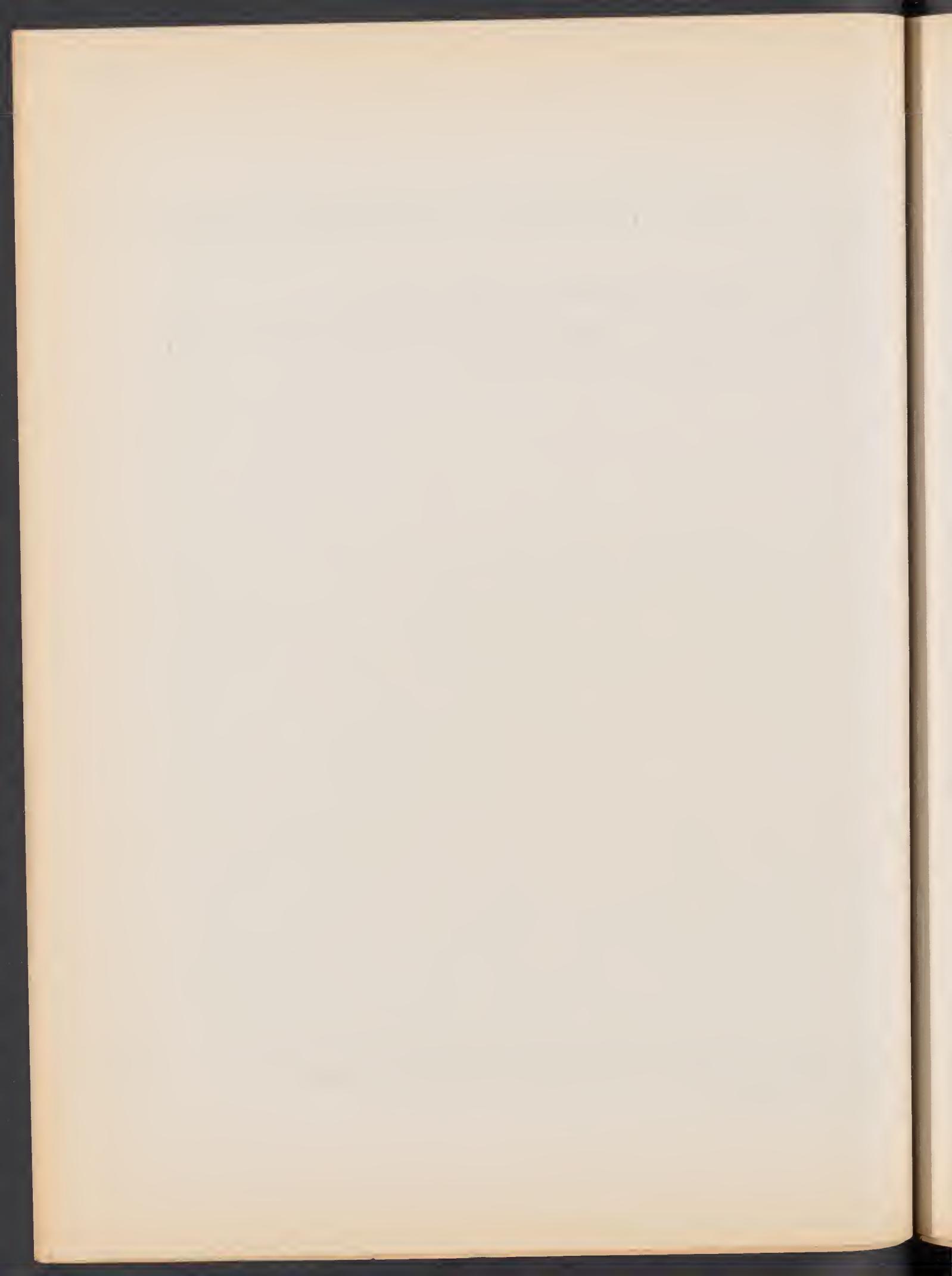
Pileus hemispheric, 1.3cm; margin striate, pinkish buff shading to pale pinkish buff

Gills pale pinkish buff, broad, close, sinuate

Stipe 1.5cm. tall, tapering downward, fragile, striate, brownish, colorous, bruinose in linear streaks

Collected, Tumacacohi, Co., Ariz., 1900.

-018 - w. m. morgan



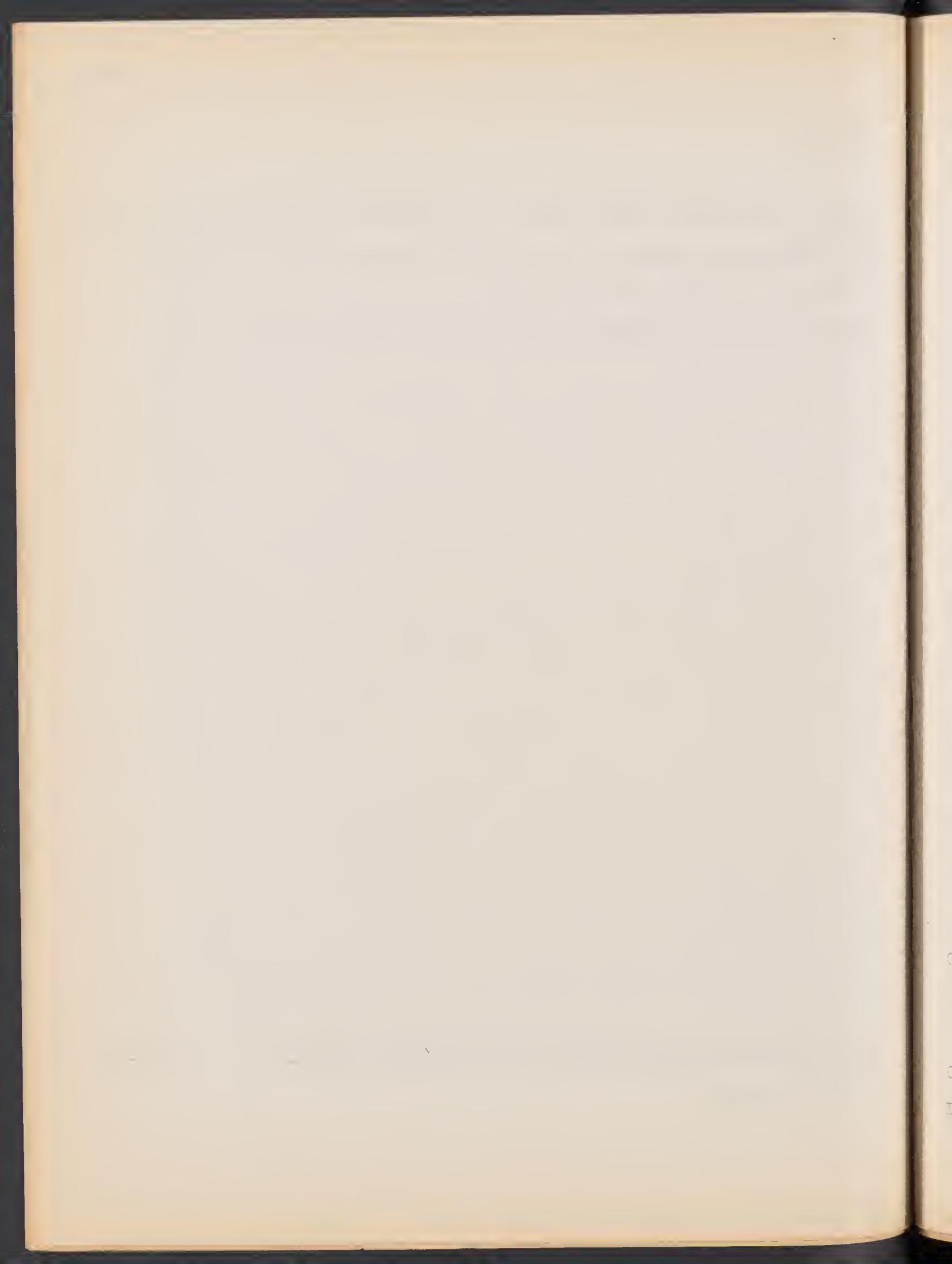
Leptoni

pileus capitate, 2cm. diameter : 1.3cm. tall, hygroscopic; pinkish
buff ~~skink~~ and Saccardo's wider striate margin; black on disc only
hills pink, adnate, narrow, close
stipe 4cm. x 4mm. diameter, cartilaginous, hollow, white

Costa Rica, Puntarenas prov., Osa, R. Sondalo, 1-5m.

S-22-30

Dodge Goerger



Z. toni

Pileus 1.1cm., hygrophanous, striate to disc over gills; disc yellowish brown, rest bister

Gills adnate, close, narrow, swollen near

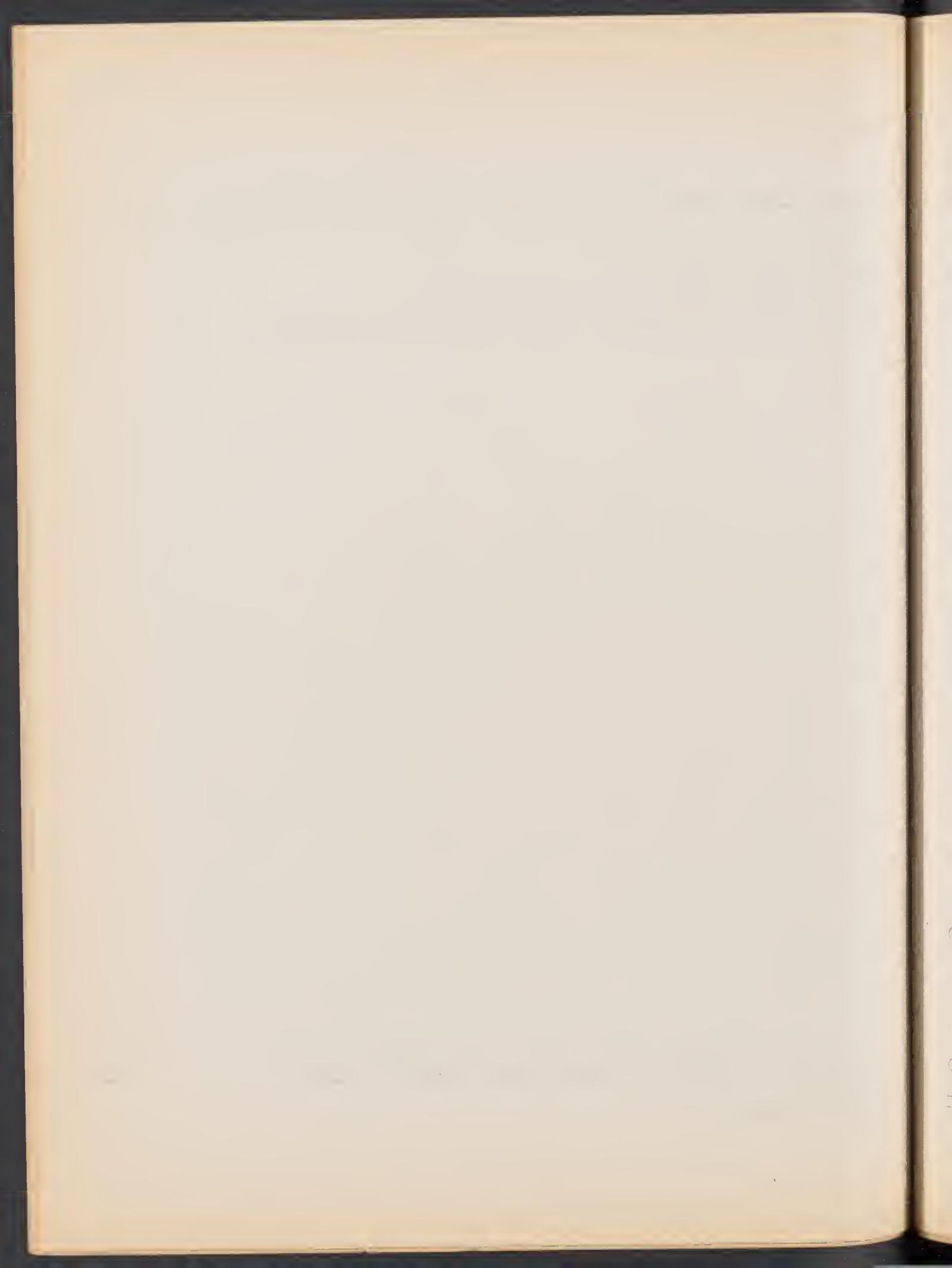
Stipe milky white, 3cm. x 1mm., cartilaginous, fragile

On - - - -

Costa Rica, Tunturanga prov., Osa, R. Sondalo, 1-5.

Dodge & Goergen

2-24-6



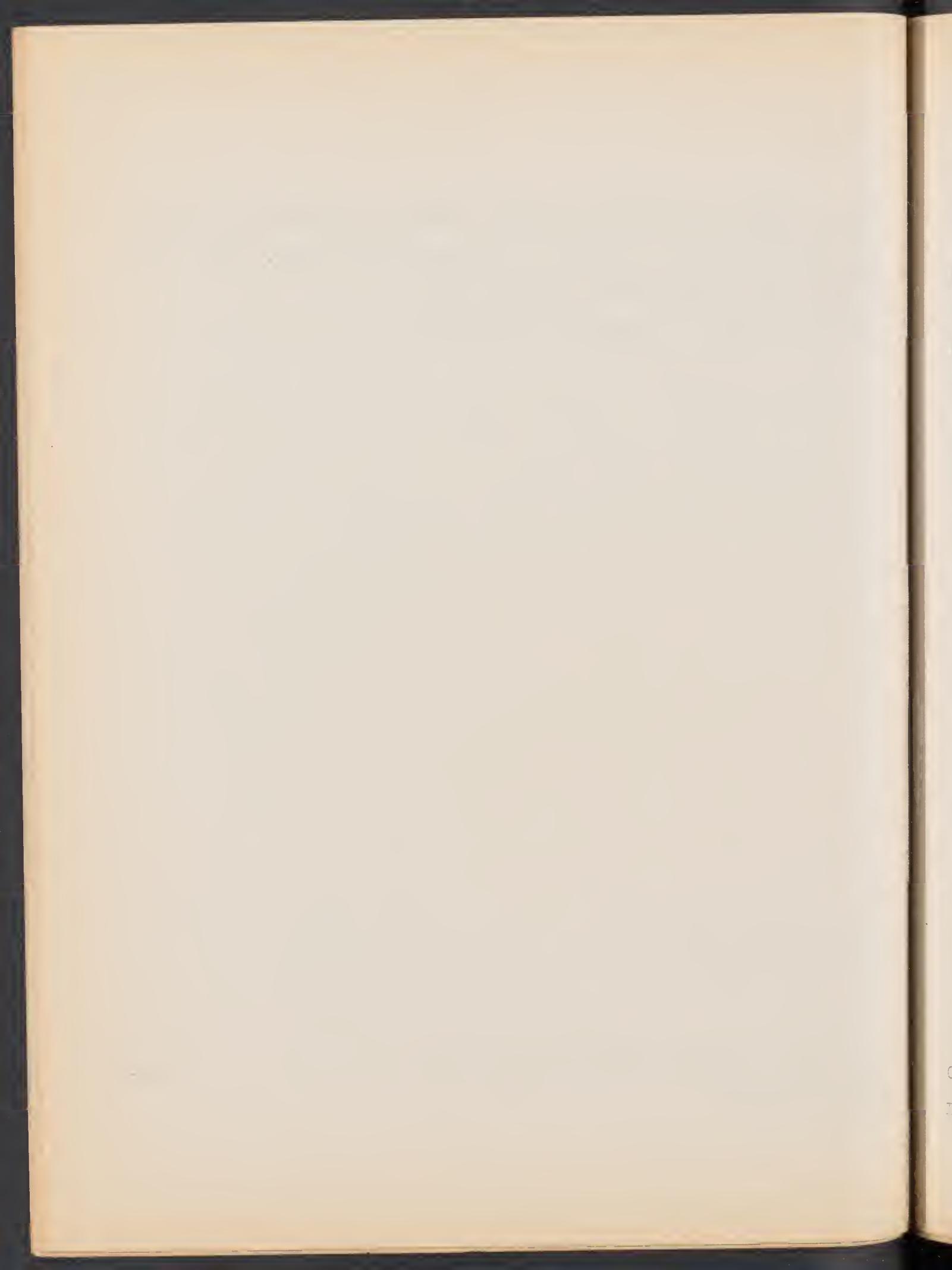
T. tonit

Filamentous broadly campanulate, surface smooth to slightly meruliod, becoming subtriangular at margin, evellaneous, up to 1cm. x 5mm, small
Gills adnate, pink spored, narrow, close
Stipe cartilaginous, fragile, quite silky

On dead logs and

Costa Rica, Puntarenas prov., N. Pacifico
Dodge & Goergen

3-13-76



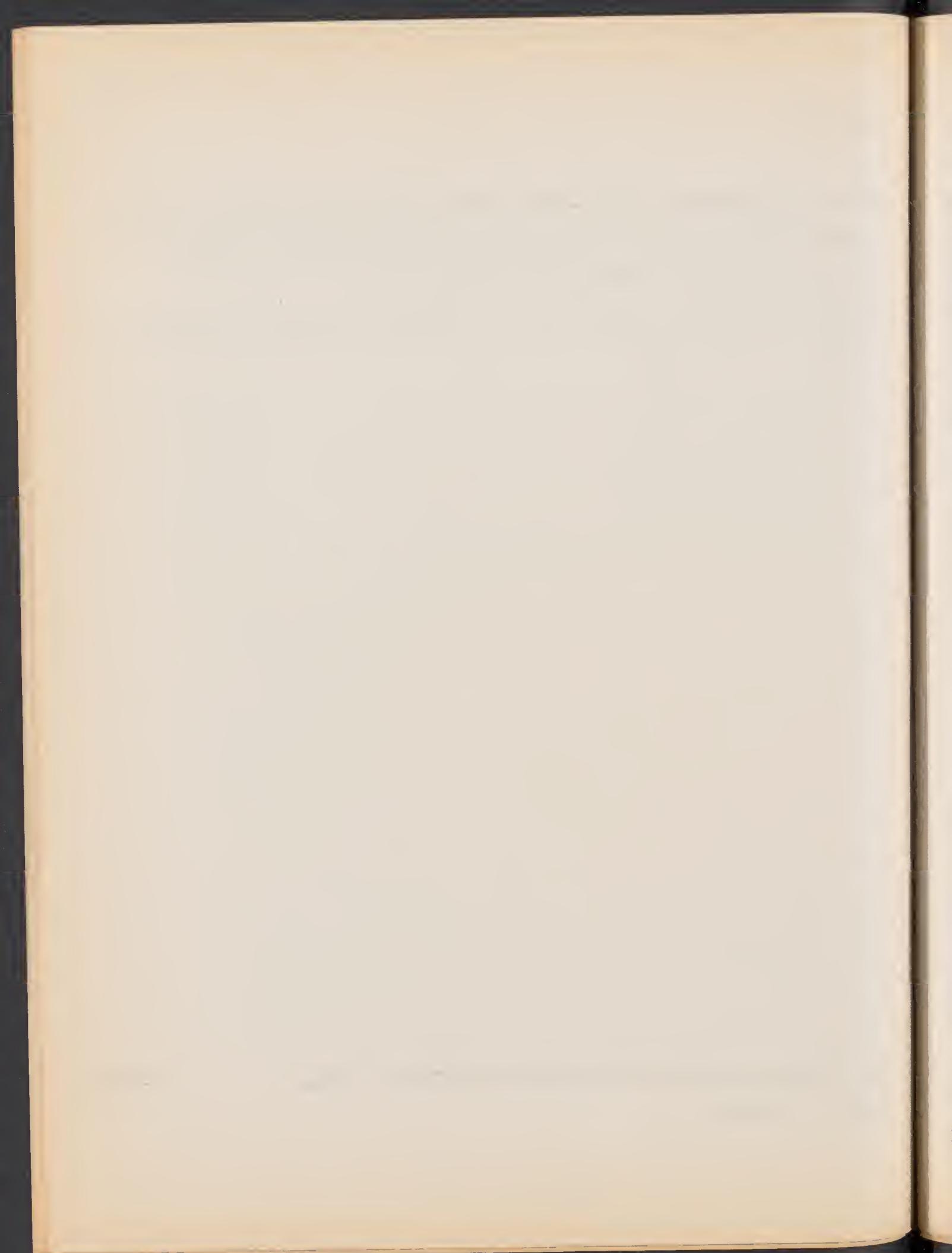
Leptonia

Pileus irregularly flat, 1.3cm., umbonate; margin entire, lightly rugose, hygroscopic, Mikado brown and light vinaceous cinnamon
ills adnate, pink, broad lanceolate, medium
Stipe silky white, tapering upward, 1.7cm. x 2-3mm., cartilaginous,
fragile

Costa Rica, Puntarenas prov., Osa, S. Mindo, 1-8.

8-34-26

Dodge & Goerner



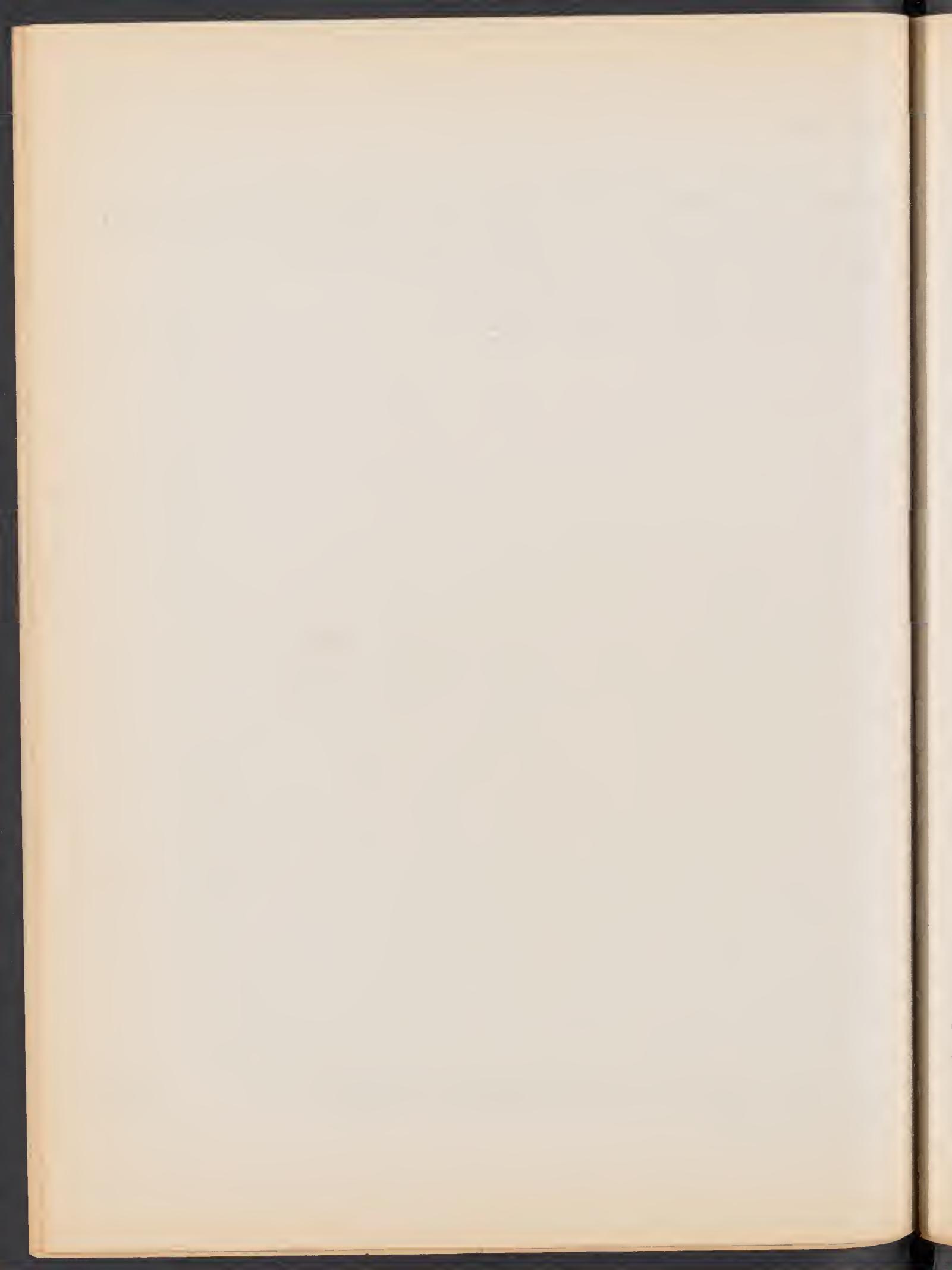
Leptonia

Pileus conic campanulate, wine-colored buff; discerulicid, subradiate,
slightly darker; rest smooth, margin slightly striate
Gills adnate, pink, very broad, crowded
Stipe fragile, white, 1.7cm. x 1mm.

In forest

Costa Rica, Heredia prov., Sto Domingo del Roble,
Dodge & Goerger

8-7-76



Leptoni

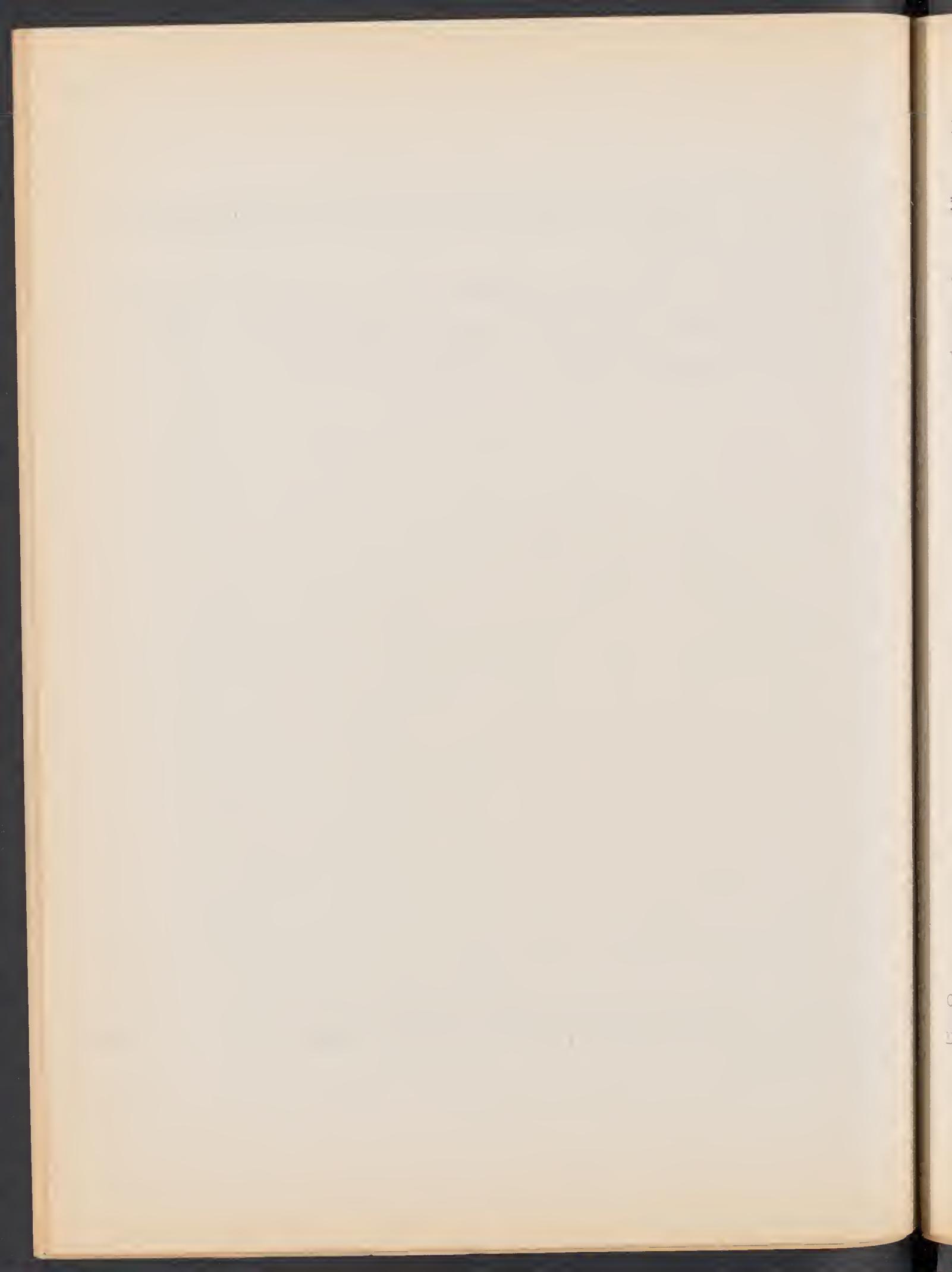
Pileus 3cm. incl long umb 2cm, ± lvs; disc white; margin smooth
pink striate, lacerate

Gills pale pink, sinuate with decurrent tooth, subdistant, ventricose
Stipe 5cm. ± 2-3cm., light brown yellow, tapering towards center,
cortil cinous, hollow, fragile ending in a flat bulb

Costa Rica, Puerto Viejo prov., Osa, R. Sábalos, 1-5.

8-25-36

Dodge & Goerger



Leptonia

pileum erect, 5cm., not or only very faintly striate, pinkish buff
to pale pinkish buff

Gills pink, sinuate adnate, close, broad

Stipe cartilaginous, hollow, innate fibrillose, slightly lacerated,
white, 7-8cm. x 2-3mm., tapering upward

Costa Rica, Puntarenas prov., Osa, R. Sinalo, 1-1,

8-23-39

Dodge Coerger

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Co

Leptonia n. sp.

26

Pileus up to 4 cm. diam, striate from incipient splitting over gills, translucent seeming somewhat transparent, disc clay color, margin pale pinkish buff to pinkish buff

Gills pale pinkish buff to pinkish buff, distant, broad with small nastomosing gills between, adnate

Stipe pinkish buff at top shading to tawny olive or Saccardo's umber at base, up to 4cm. x 3mm., cartilaginous, hollow, smooth, shining

Costa Rica, Limon prov., Siam Farm, 20m.

7-30-36

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"Isopeltis le

Pilus tilleul buff to yellowish, broadly fl bell-shaped, 2.5cm, 2.1cm,
mills concolorous, broad, acute or recurved
stipe 5mm, long, 1.5cm, diameter

Costa Rica, Limón prov., Cartago dist., 20m,
Dodge & Coerman

7-18-3

fragili

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~~Microgilia~~
Mycena?

Pileus 1 cm., ~~yellowish~~ now, convex, light buff to tawny yellow, smooth; margin bending to curve inward.

Gills yellow ochre, narrow, distant, adnate

Stipe 3 mm. x 2 mm., white, cottony, tomentose

On mossy log

Cost Rica, Limón prov., Cartilla farm, 2000.

Lodge & Goerger

7-30-43

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Microphylle

Pileus reniform, 1.8cm. x 0.7cm., lightly rugose behind, pale olive buff with light grayish olive striations

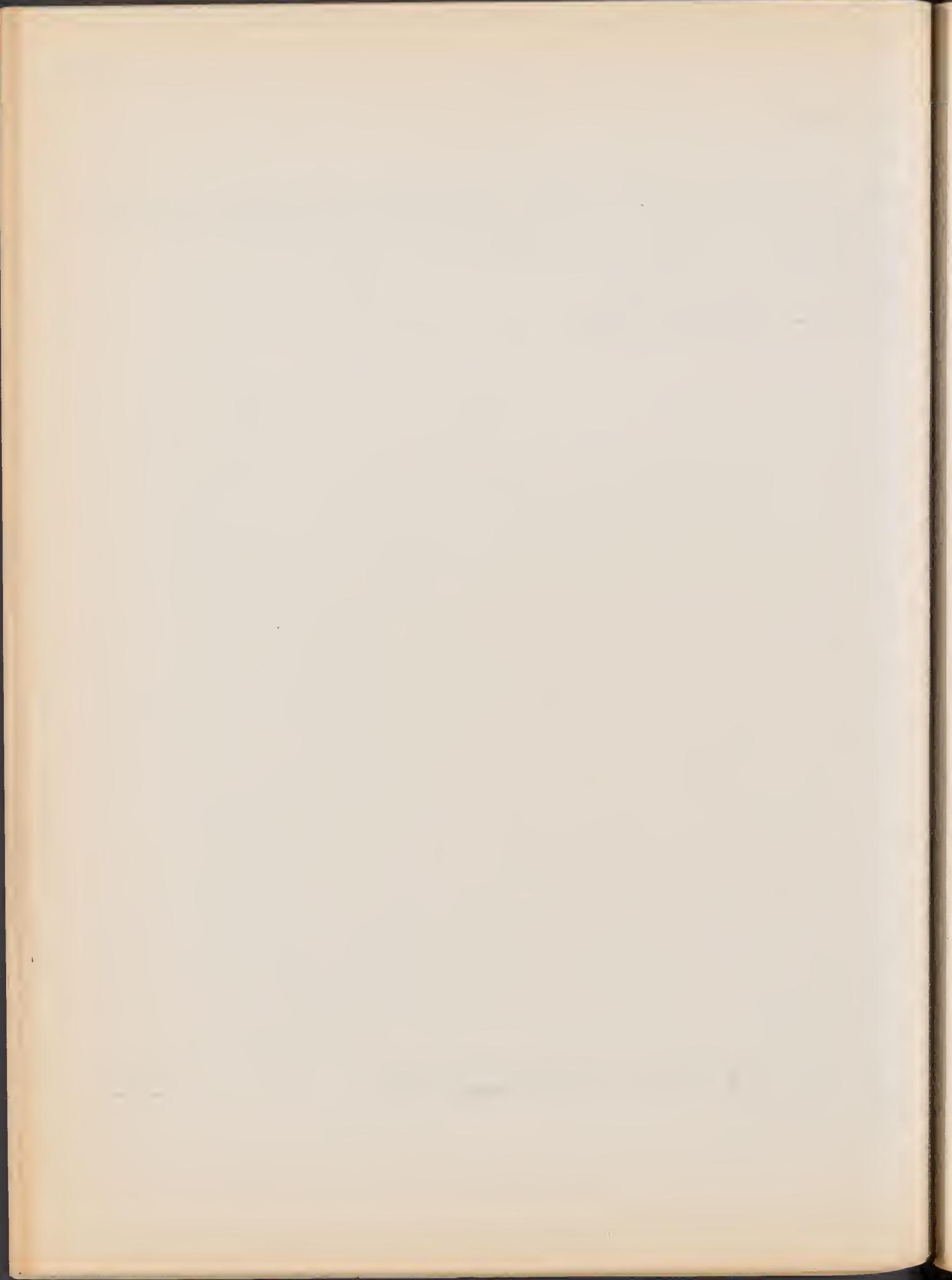
Gills white, not decurrent

Stipe 4mm. x 2.5mm. diameter

Costa Rica, Tirón River, C. stills Ferry., 20m.

Dodge & Boerner

7-28-36



Microphylle

(purple brown)

Pileus 1-1.7cm, diameter, ± slightly tomentose; disc vinaceous
buff; margin Tilleul buff

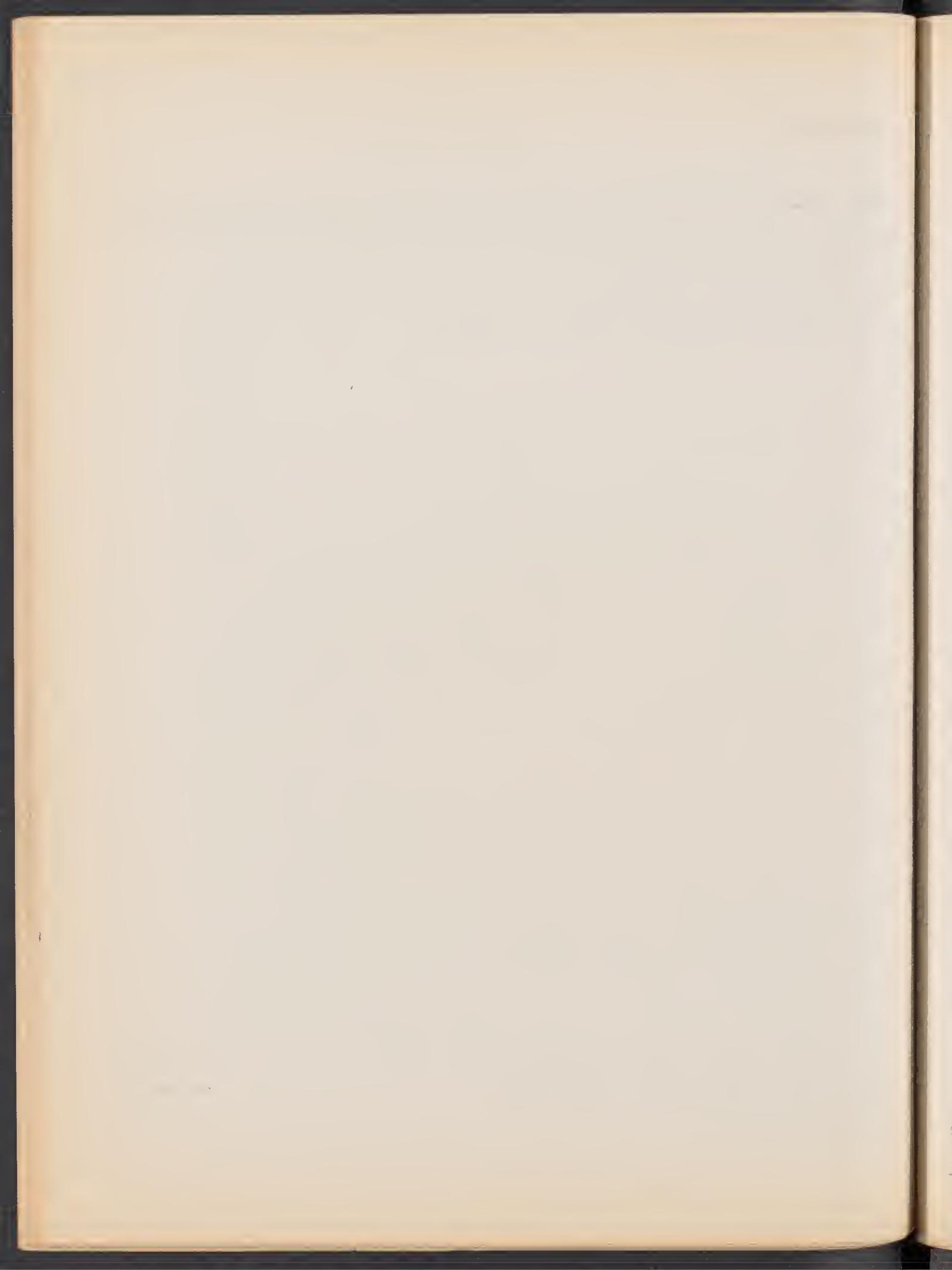
Gills benzoin brown, crowded, narrow, adnate

Stipe white, eccentric, short and small

Costa Rica, Limón prov., Siquirama,

7-30-36

Dodge & Goerger



Nicropeltis le

Pileus 3mm., rarely 5mm., diameter, margin striate

Gills adnate, white, narrow, close

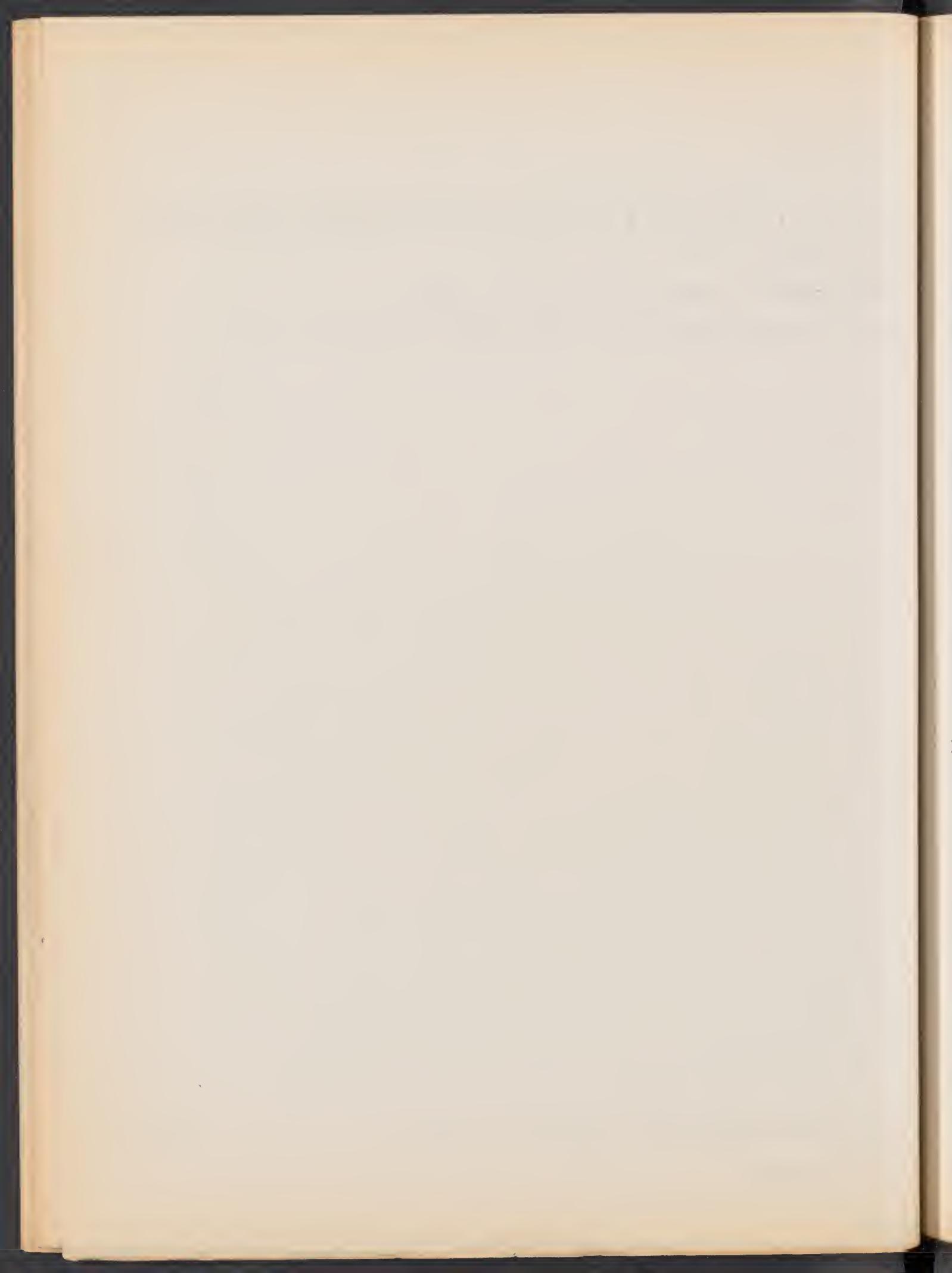
Stipe 4-5mm. x 0.5mm., cartilaginous, white

Syll fructification cream color, larger one Naples yellow

Costa Rica, Limón prov., Costilla farm, 20m.

Module L Goerger

7-23-68



Marasmius

Pileus convex, to flat, 2 cm., minutely velvety, burnt sienna.
gills adnate subdistant, narrow, pinkish
stipe cartilaginous tough 4 cm x 1.5 mm, marsbrown to russet and
lighter, smooth

Decaying leaves

Puntarenas, Osa, R. Sáñdalo, 2 m. Dodge & Goerger

9-1-36

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Marasmius

Pileus up to 2 cm, ochraceous buff to ochraceous tawny with small disc a shade darker than the margin; gills 6-10 in number, light buff to warm buff

stipe cinnamon brown 3 cm tall less than 1 mm in diameter

Palm forest

Limon, Siquirres, Castilla,

Dodge & Goerger

7-28

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Marasmius

Pileus burnt sienna, 5 cm, expanded central third deeply infundibuliform, velvety pile deeper pile over disc, deeply sulcate over gills gills very broad, wedge shape, ventricose, adnate distant white stipe tough compressed 5 cm x 4-1 mm tapering downward, white above, 5 mm shading burnt sienna smooth

Palm forest

Limon, Siquirres, Castilla

Dodge & Goerger

7-28

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Marasmius

Pileus hemispheric, deeply sulcate over gills, 1 cm, disc slightly depressed and darker, deep vinaceous; gills pale vinaceous, distant, adnate to collar, narrow; stipe tough, nearly black

Puntarenas, Osa. R. Sándalo, 2 m. Dodge & Goerger

8-23

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Marasmius

Pileus convex, 6 mm, strigose fibrillose, not striate, slightly umbilicate, Saccardo's umber shading cinnamon buff; gills white, ventricose close, sinuate adnate
stipe concolor, minutely strigose, 4 cm long

R Sandal.

Puntarenas, Osa, 2 m., Dodge & Goerger

8-23

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Marasmius

Pileus about 18 mm, stiate sulcate, disc yellow ochre, margin ~~xxxx~~ antimony yellow; gills warm buff, distant, adnate to collar, broad; stipe warm buff above shading to ochraceous tawny and cinnamon brown, 4 cm x 0.5 mm, shining, base cottony

Limon, Siquirres, ~~xxx~~ Castilla

Dodge & Goerger

7-23

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Marasmius

Pileus 1.5-2 cm, convex, center depressed becoming broadly infundibuliform, hygrophanous, disc pale pinkish cinnamon, margin striate, cinnamon; gills distant, pale pinkish cinnamon thick
stipe 2.5 cm x 3-1 mm. tapering downward, somewhat compressed, pale pinkish cinnamon above, burnt umber below

Limon, Siquirres, Castilla, July 23, Dodge & Goerger

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Marasmius

Pileus expanded, 2 cm in diameter, disc meruliod, clay color, rest originally velvety sepia soon splitting down backs of gills showing alternate triangles of pinkish buff; gills very distant, pinkish buff, adnate to collar; stipe 4 cm

Puntarenas, Osa, R. Sáñalo, 2 m. Dodge & Goerger

8-24-36

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Marasmius

pileus convex to flat, disc depressed, small, white or nearly so, striate sulcate over gills, Verona brown, warm sepia over gills which are adnate to collar, subdistant, narrow, white; stipe cartilaginous tough, semipellucid, 4 cm x 2.5-1.5 mm tapering upward, light vinaceous cinnamon

Decaying leaves

Puntarenas, Osa, R. Sández, 2 m. Dodge & Goerger

9-1-36

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Marasmius

Pileus 1.5 cm in diameter, hemispheric, disc flesh ochre shading to cartridge buff margins, substrigose, velvety, margin striate sulcate; gills white, close adnate broad; stipe 2.3 cm x 1 mm, white at apex shading to seal brown base, fibrillose at apex ending in small brown dots where pileus breaks away; pseudo ring at attachment of gills, rest velvety with scattered strigose white hairs

Heredia, Chahuites, 1600 m., Goerger

Sept. 11

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Lim

Marasmius

Pileus smoke gray, disc much darker, margins elevated and more or less infundibuliform, rugose sulcate over gills which are white, distant, broad, more or less anastomosing. stem black fuscous 2 cm x 1 mm

Limon, Siquirres, Castilla, m. Dodge & Goerger

7-28-36

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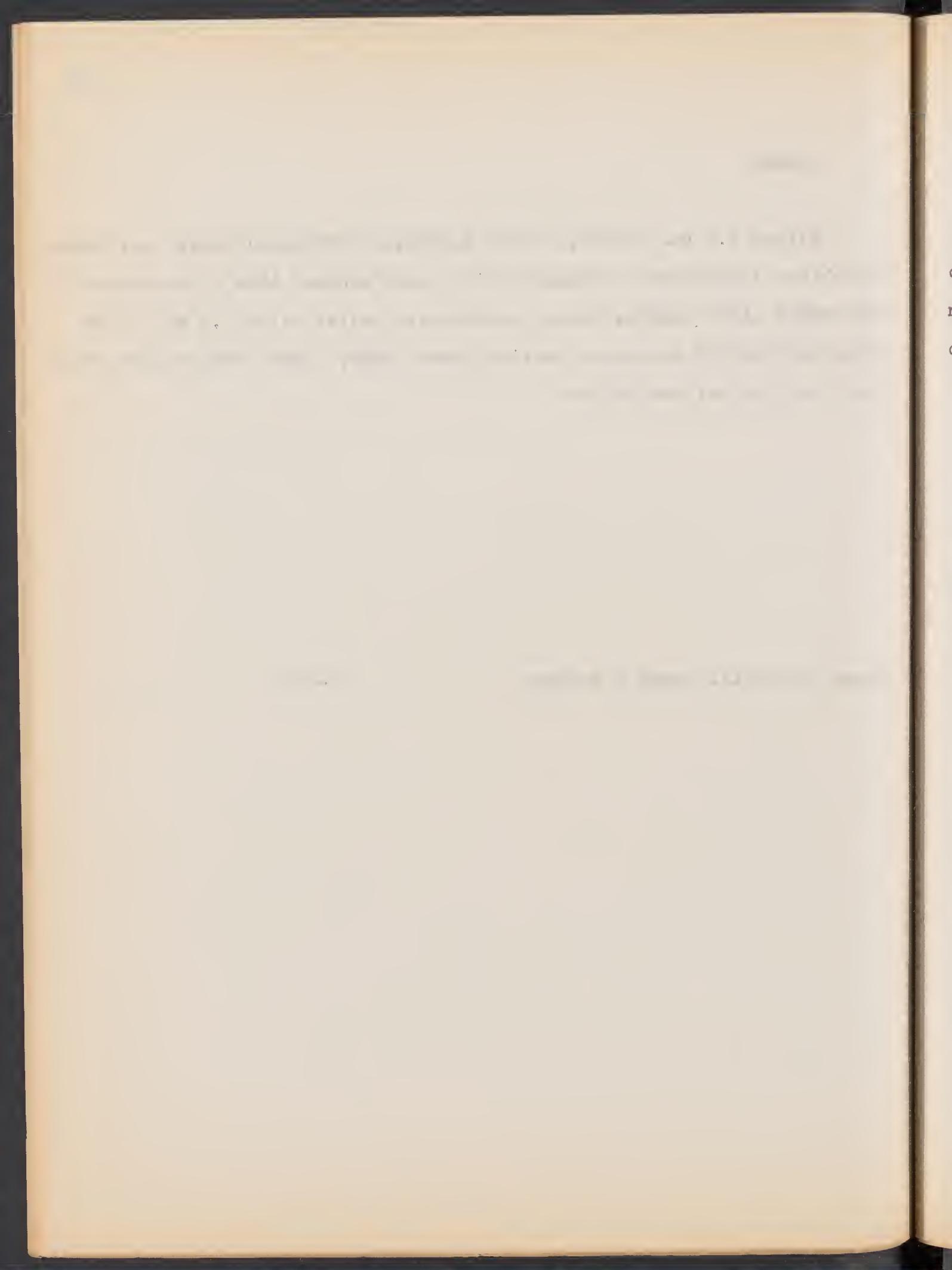
Li

Mycena

Pileus 1.2 cm, convex, center depressed with small sharp conic umbo, fibrillose tomentulose, margins striate pale windsor blue with nigrosin blue umbo; gills adnate, broad, subdistant, white; stipe 2.5 cm x 1 mm tapering slightly downward, cartilaginous tough, light Windsor blue above lower portion aniline yellow

Limon, Castilla, Dodge & Goerger

7-25



Mycena.

Pileus 1 cm, hygrophanous, wholly striate over gills, disc pinkish cinnamon, striae snuff brown, pale pinkish cinnamon between; gills adnexed, broad, close, white; stipe white, fragile pruinose above, silky cartilaginous below, 1.5 cm x 1. mm.

On decaying polypore

Puntarenas, Osa, R. Sáñalo, Dodge & Goerger

8-22-36

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Pt

Mycena

Pileus hemispheric, 8 mm, very minutely velvety, bay; gills broad, white, adnate, distant; stipe 1.5 cm x 1.5 mm, cartilaginous, lighter above, bay below

Puntarenas, Osa, R. Sández, Dodge & Goerger

Mycena

'Pilèus 1.2 cm in diameter, convex, striate, sulcate, margins disc flat mummy brown, rest buckthorn brown ; gills white, adnate, thick subdistant; stipe white above, 1 cm x 1 mm, mummy brown below, cartilaginous

Decaying leaf

Puntarenas, Osa, R. Sándalo, Dodge & Goerger

8-24-36

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Mycena

Pileus up to 1.2 cm in diameter, expanded, hygrophanous, smooth, margin narrowly striate, buffy brown, margin clove brown; gills broad, adnate, semipellucid, close; stipe 1 cm x 1 mm, cartilaginous, fragile, silky white

Puntarenas, Osa, R. Sáñalo, Dodge & Goerger

8-22-36

H

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P

Mycena

Pileus 5 mm. hemispheric, subcampanulate, margin striate sulcate, Hays' russet; gills adnate to subdecurrent, close, white, marrow; stipe 1.3 cm x 0.5 mm, cartilaginous, flesh color

Puntarenas, Osa, R. Sandalo, Dodge & Goerger

8-21-36

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P

Mycena

Pileus campanulate, striate, very thin, 1.2 cm diam, 7 mm tall, umbilicate deeply, light brownish olive; gills broad, white distant, adnate; stipe white, cartilaginous 3.5 cm x 1 mm. fragile

Puntarenas, Osa, R. Sáñdalo, Dodge & Goerger

8-21-36

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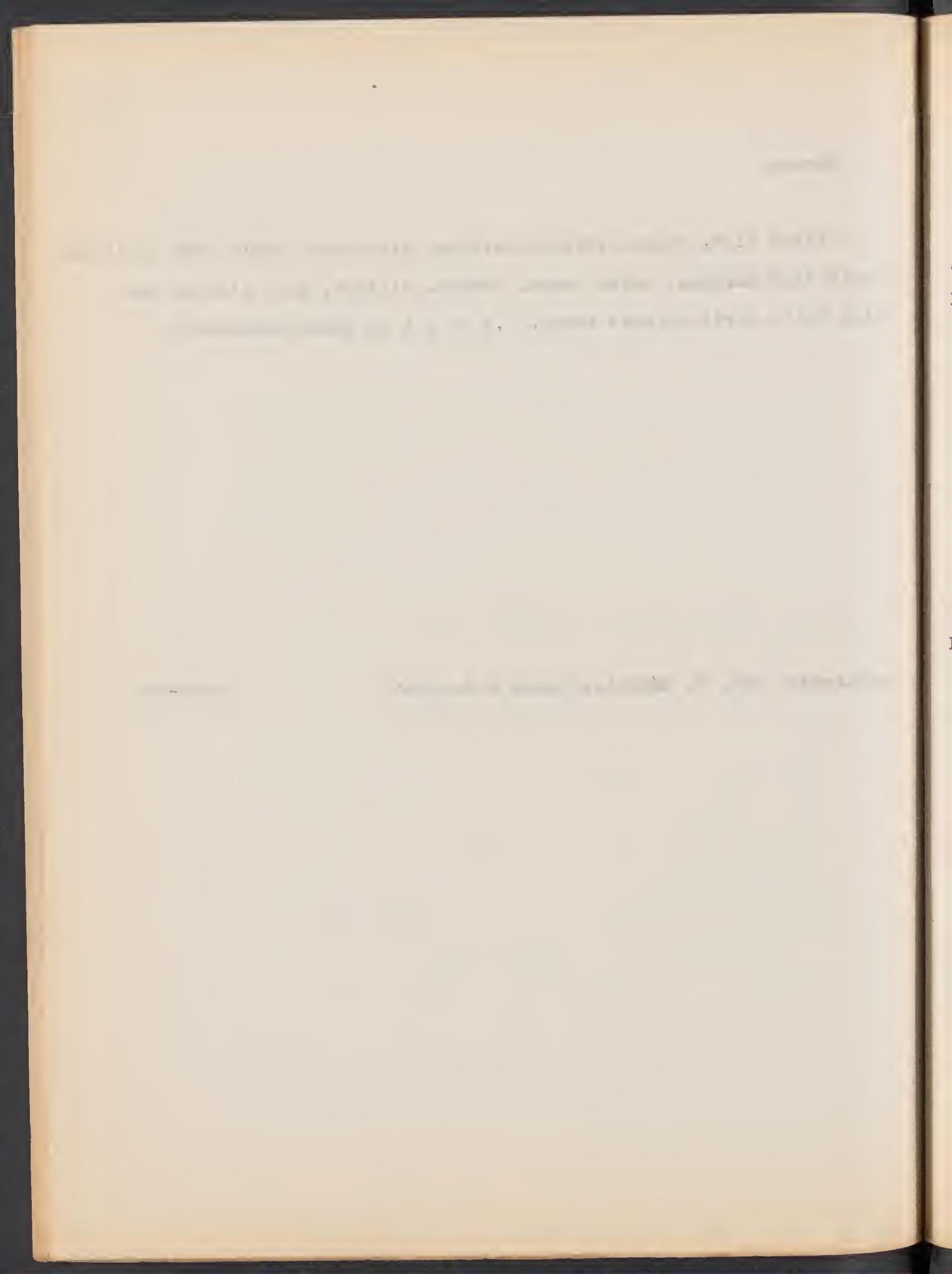
F

Mycena

Pileus flat, margin striate sulcate, disc dark purple drab to light purple drab margins; gills broad, adnate, distant, pale pinkish drab stipe white cartilaginous tough, 1.5 cm x 1 mm tapering downward

Puntarenas, Osa, R. Bándalo, Dodge & Goerger

8-22-36



Mycena

Pileus flat, 8-9 mm, striate, innate fibrillose, Saccardo's umber
gills subdistant, white, broad, sinuate adnate, hygrophanous; stipe
1.5 cm x 0.5 mm, white cartilaginous

Puntarenas, Osa, R. Sández, Dodge & Goerger

Aug 21

b
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P

Mycena

Pileus convex to flat, margins upturned, striate to disc, mars brown to light ochraceous salmon, gills adnexed, broad, hygrophanous, subdistant, ochraceous salmon, stipe cartilaginous 2 cm x 2mm, concolor above, mars brown or darker below

Puntarenas, Osa, R. Sandalo, Dodge & Goerger

8-25, 36

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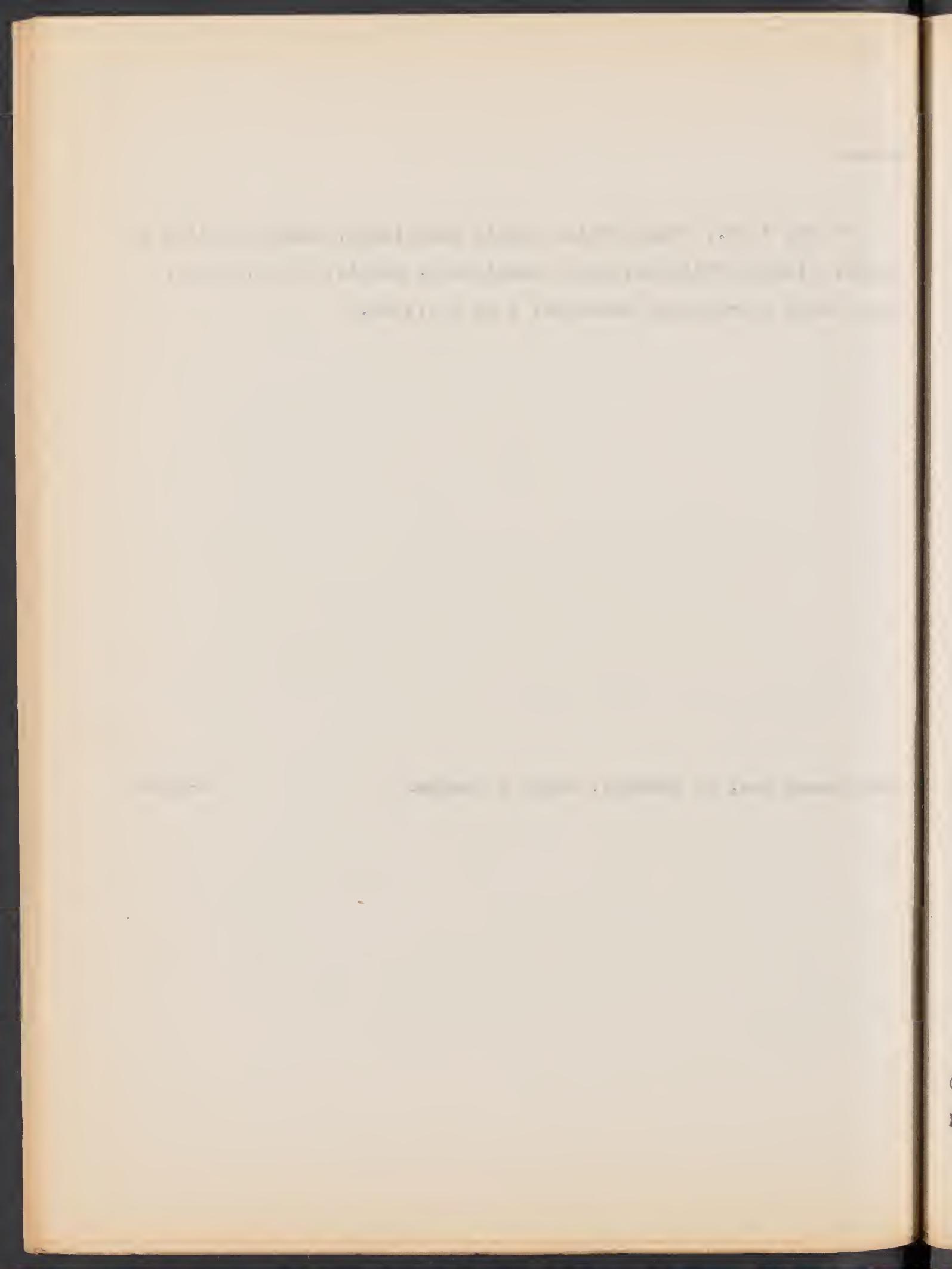
Pu

Mycena

Pileus 7 mm., hemispheric, deeply umbilicate, brownish olive or darker, silky fibrillose; gills subdistant, adnate, broad, white; stipe silky fibrillose, concolor, 4 cm x 1.5 mm.

Puntarenas, Osa, R. Sáñalo, Dodge & Goerger

8-27-36



Mycena
Dictyolus

Pileus expanded, nearly flat, 7mm., spongy strigose; margin outrolled;
between drab gray and smoke gray

Gills white, distant broad ridges only slightly elevated, adnate

Stipe cartilaginous, white, fragile, 7mm, tall x 1mm. in diameter

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m.

8-22-36

Bodge & Goerger

R

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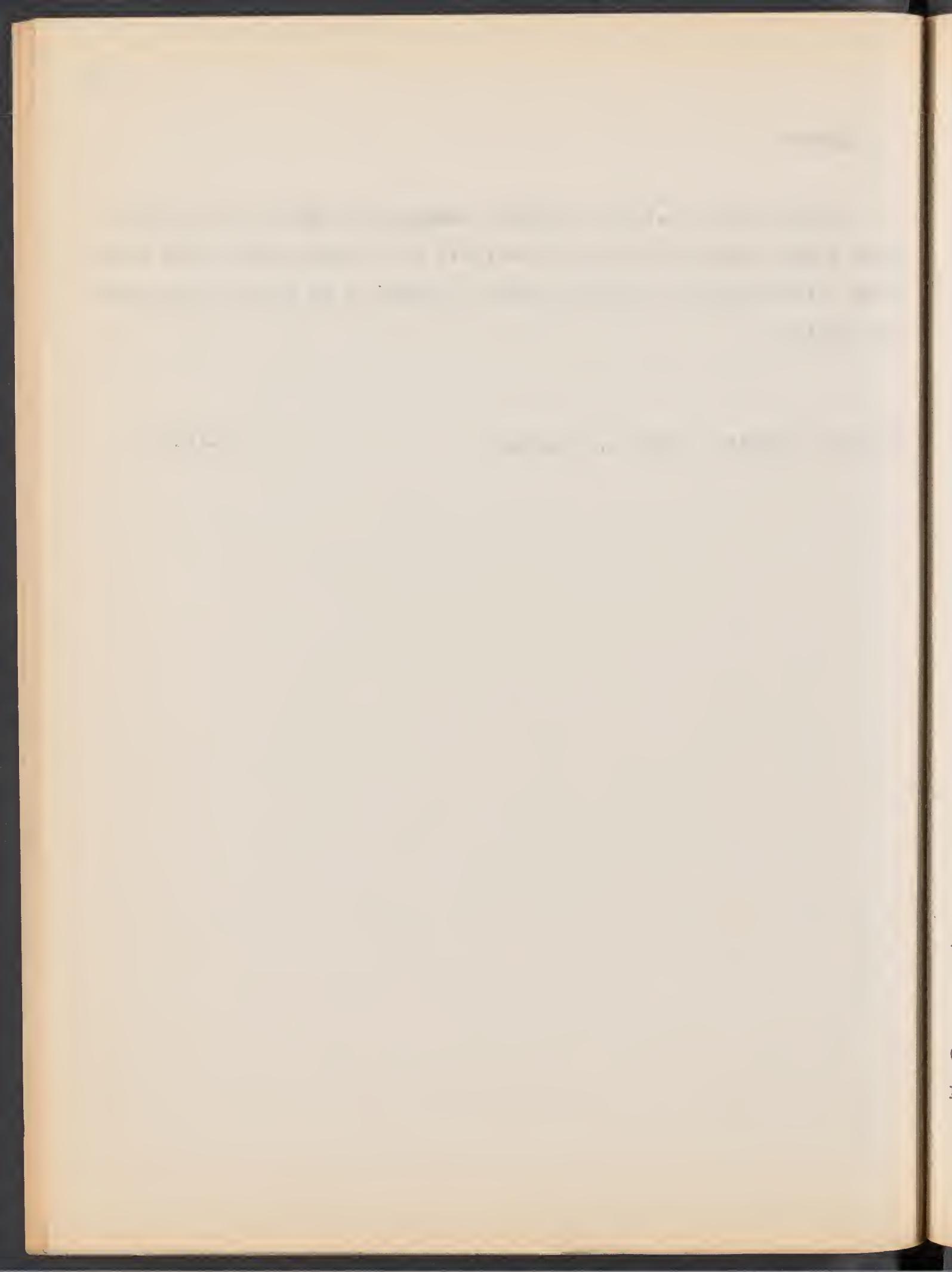
H

Mycena

Pileus convex, 1.5 cm., minutely ~~smooth~~ scaly, buff pink to
Roods brown, margin striate and lacerate; gills ventricose, edges eroded
white, close adnate; stipe buff pink or darker, 4 cm x 2 mm, cartilagin-
ous, hollow

Heredia, Chahuites, 1600 m., Goerger

9-11-36



Mycena

Pileus expanded to nearly flat, deeply splitting along backs of gills,
surface pruinose, drab gray, 3cm. in diameter

Gills subdistant, pale drab gray, broad, adnate

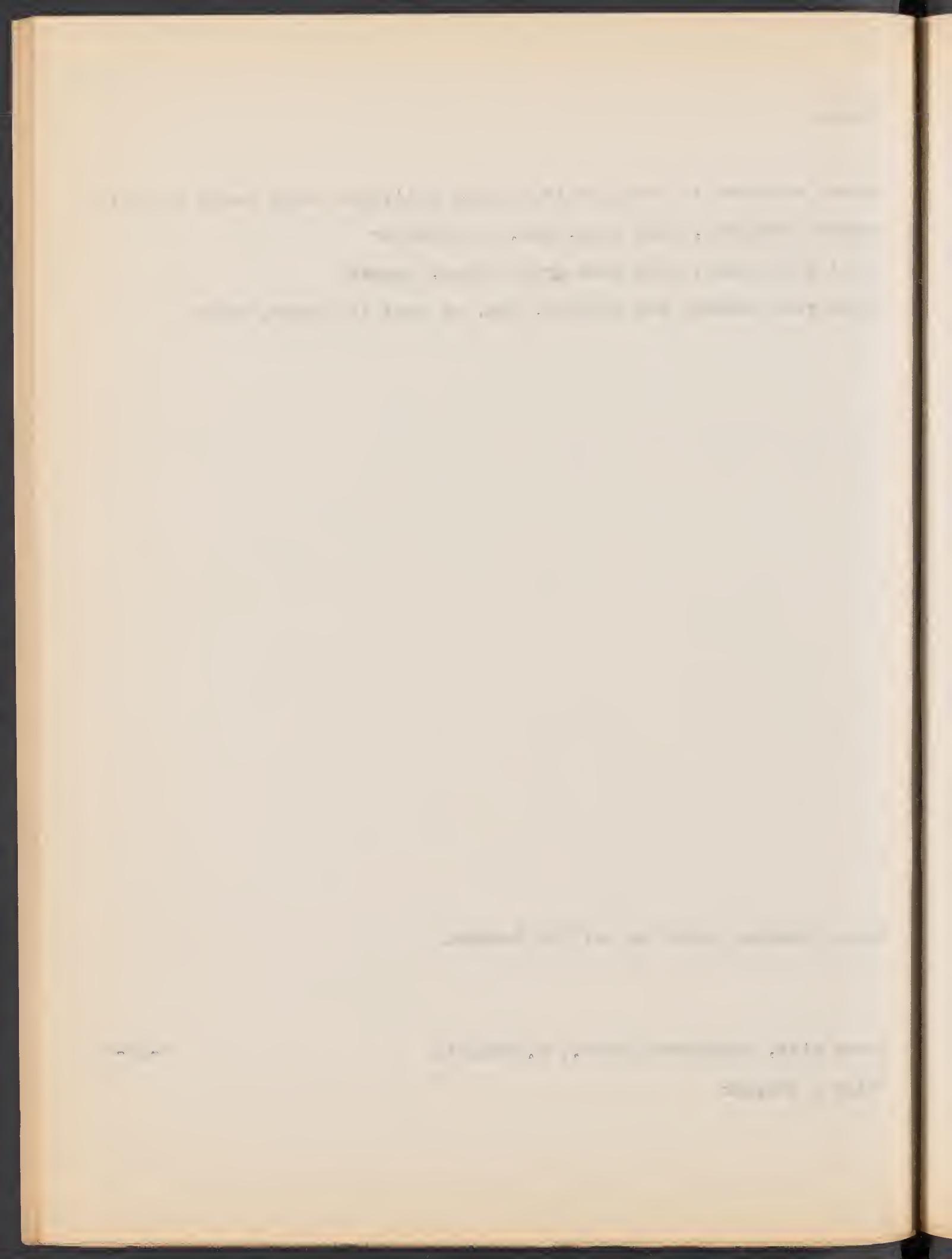
Stipe very slender and fragile, 5cm. or more in length, white

Among decaying trash on soil in bananal

Costa Rica, Puntarenas prov., R. Paquita

Dodge & Goerger

8-14-36



Mycena

Pileus hemispheric to convex, hygrophanous, up to 6mm. in diameter,
pale pinkish buff

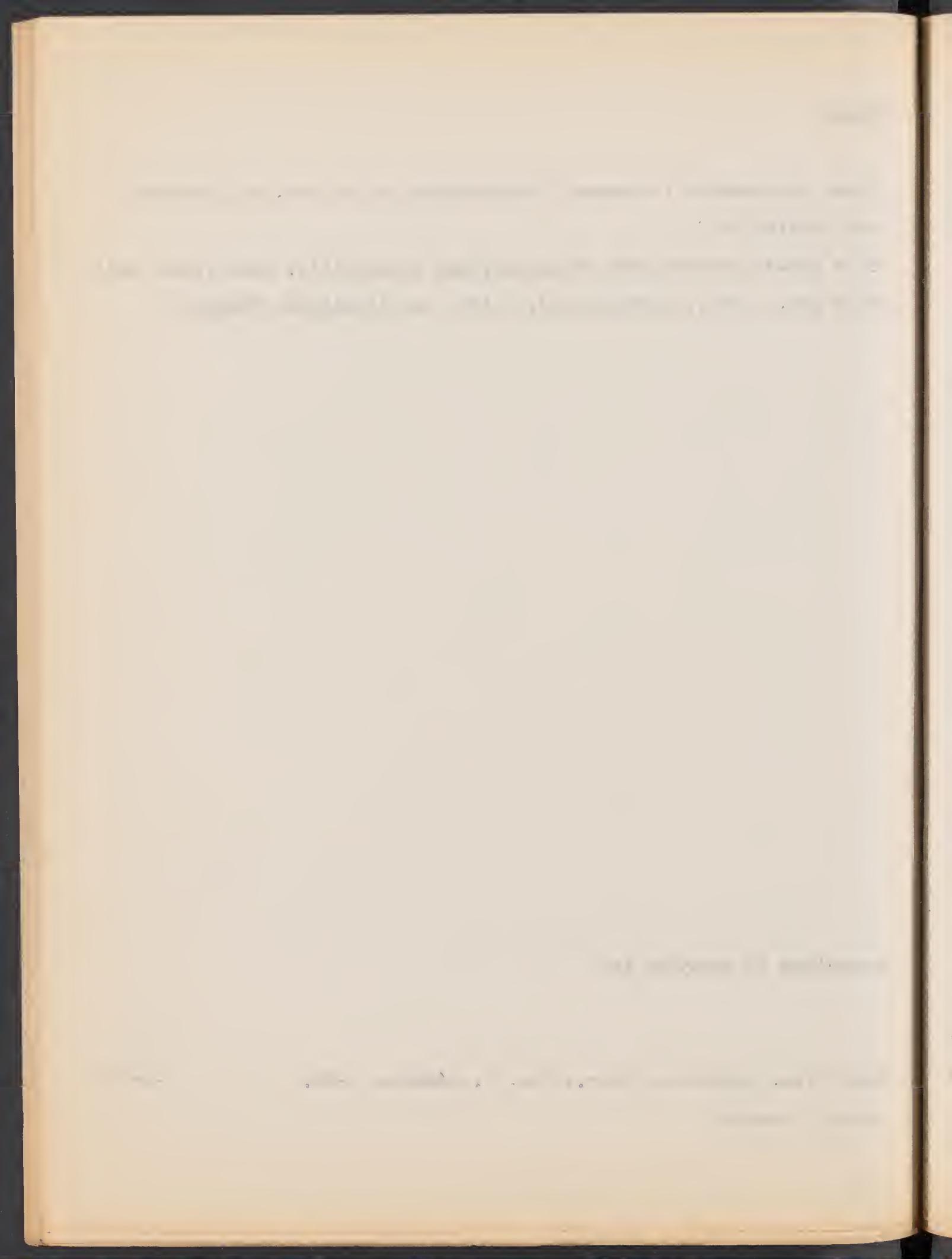
Gills adnate, narrow with still narrower cross gills, subdistant, white
Stipe 2cm. x 1mm., semipellucid, white, cartilaginous, fragile

Gregarious on decaying log

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m.

9-1-36

Dodge & Goerger



1.5cm.

pileus convex with small conic tubercles, spongy texture, light ochreum, rest lemon yellow, hyphoth nois, up to 1.2cm

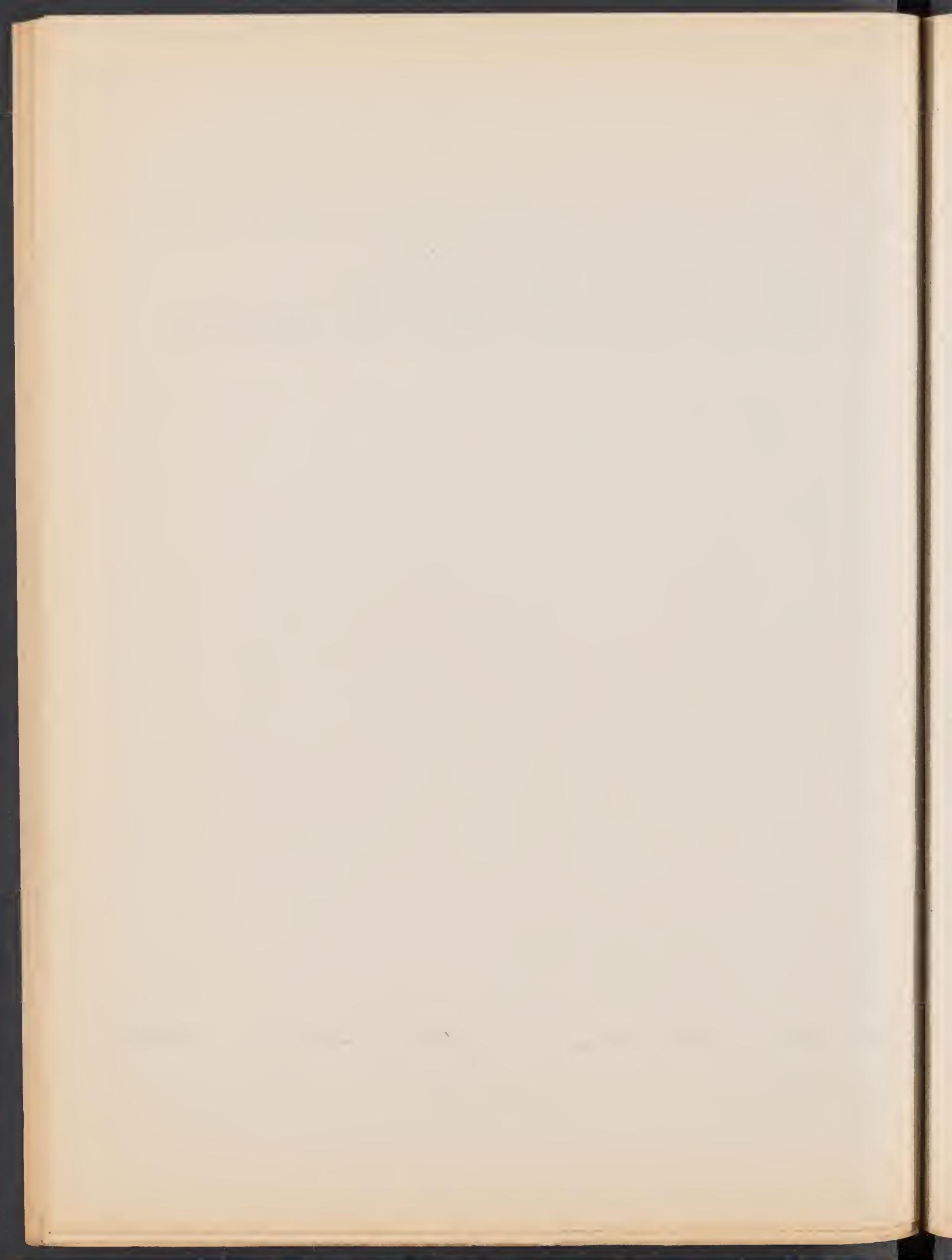
Gills dente, close, broad, light ochre yellow

stipe concolorous, cartilginous, fragile, silvery, 1.5cm, x 1cm.

Cost Rica, Piñeroas prov., O., C. Sandoval, 1-51.

C=23-10

Edmund Goering



Mycena

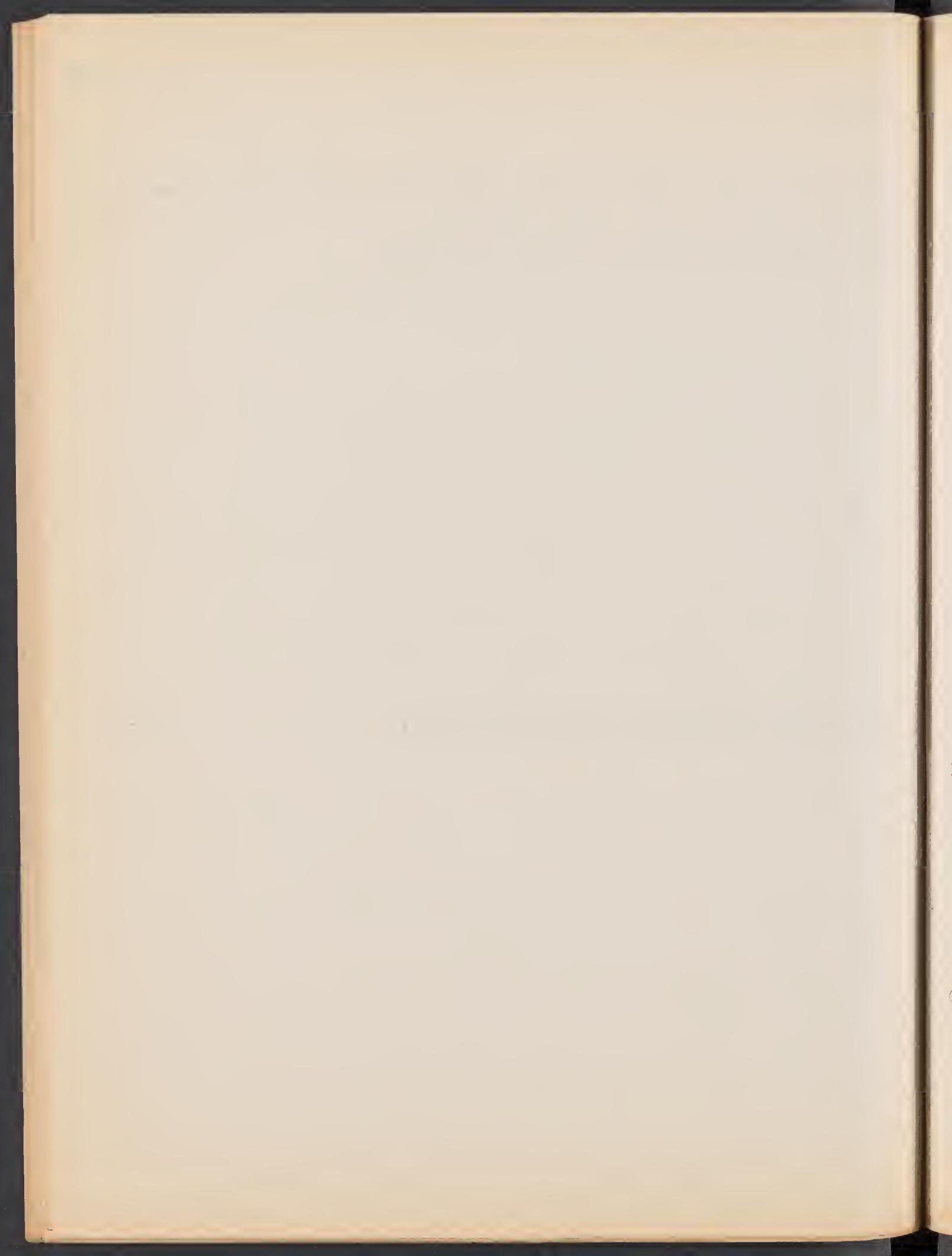
244

Pileus up to 2cm., convex, white, striate over gills which are broad
distant, white staining reddish when old

Stipe slender, 1cm. tall, morrocco red, tough

Costa Rica, Limon prov., Castilla Farm, 90m.

7-25-36



Mycena n. sp

near Trojenus

PILEUS 1 cm., striate, rugose, innate fibrillose, clay color disc with cinnamon buff margin

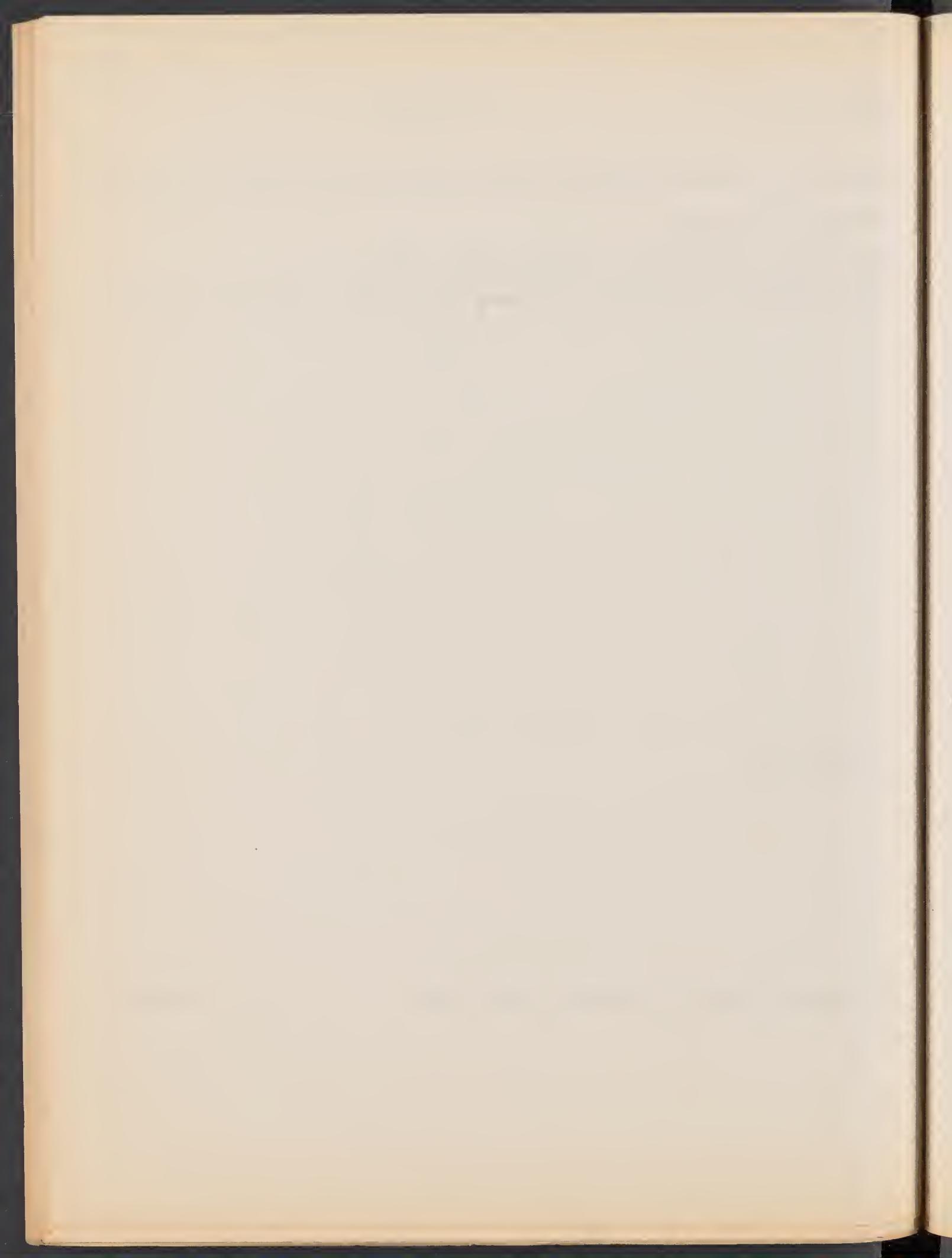
GILLS broad, subdistant, sinuate, adnate, white

STIPE fragile, cartilaginous, 2.5cm. x 1cm., white, shining, hygrophanous

In palm forest

Costa Rica, Limon prov, Castilla Ferry, 20m.

7-38-36



Mycesina

246

Pileus broad, campanulate, sharply imbonate, buckthorn brown, inextte
fibrillose, rugose, striate; margins sinuate, lacerate

Gills broad, subdistant, adnate, white

Stipe cartilaginous, white, 6cm. X 0.5mm., silky

Forest along tram line

Costa Rica, Limon prov., Siam Farm, 20 m. 7-30-36

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Scop.

Filum convex to somewhat irregular, outer surface depressed, 5-5cm., striate from depressions over wedge-shaped gills which, thin, dark brown, rest light ochraceous brown.

Gills very distant, ventricose, adnate, light ochraceous buff

Stipe wood brown; compressed, 2cm. x 4-mm., tapering downward

Costa Rica, Limón prov., Castilla farm, 20m.

7-25-86

Dodge & Neermann

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Lycodes

pileus depressed convex, 2cm. diameter, white striate over dull; disc snuff brown; margin pinkish buff

Cills adnate, broad, pinkish buff

Stipe long. x 2-line., tapering downward, pinkish buff at top turning to dark sepia

Costa Rica, Tilarán prov., Chirripó form., 3000.

7-10-36

Dodge - Goering

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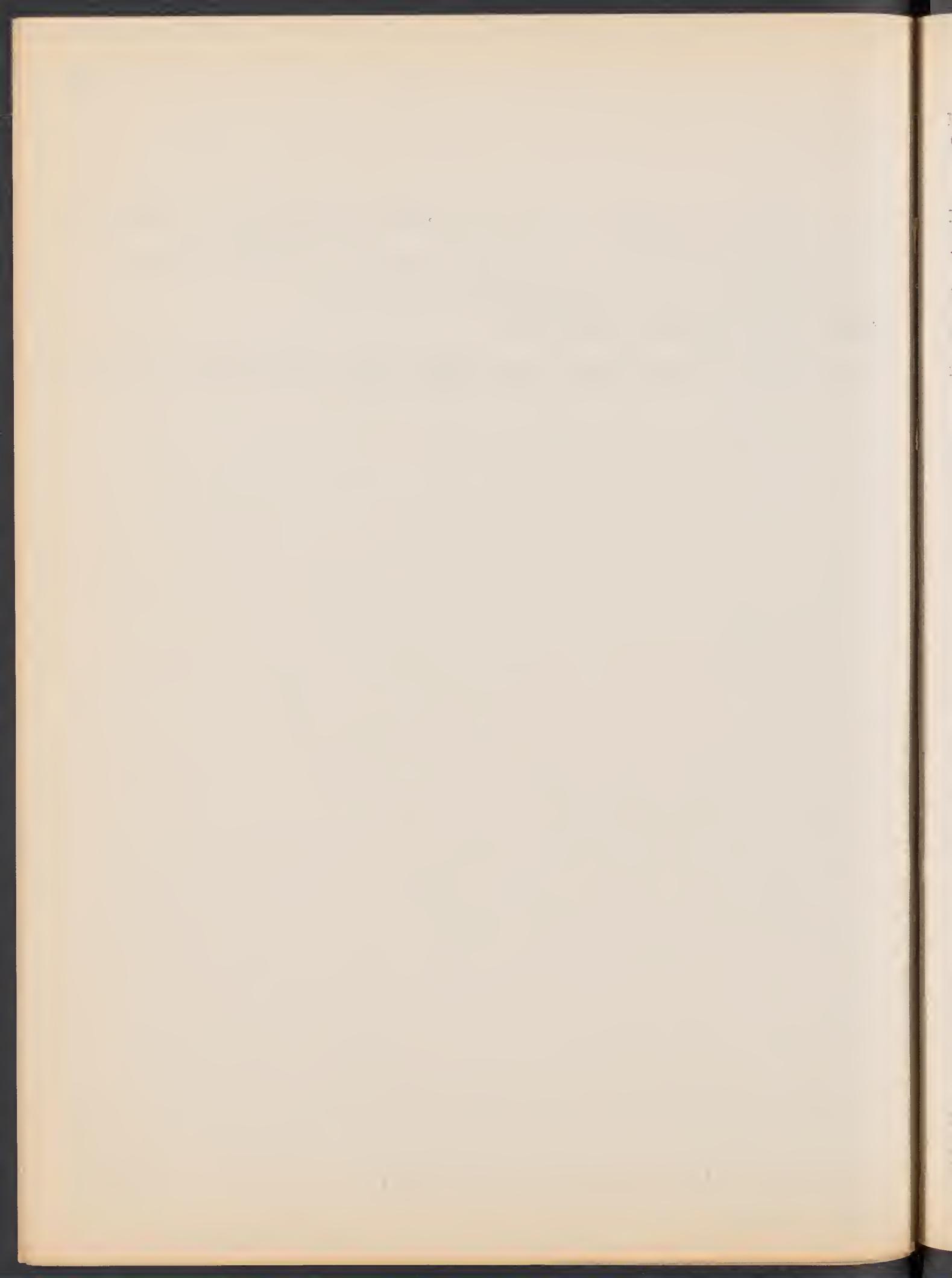
Mycena

Pileus clay color, capitate, up to 2.5cm. diameter, up to 3cm. high, hygrophorous, smooth with some cottony whitoids probably from place of growth; flesh thin, cartilaginous, thin or disc
sible, close, adnate, pinkish buff
stipe hollow, white, fleshy, 2.5cm. high x 3mm., white, innate fibrillose.

Costa Rica, Lión prov., Cattill farm, 2000.

1-16-36

Edgar L Goenger



Typhula
colligbi

Pileus 1.5cm., convex, young brown, margin inrolled, fibrous,
tomentose

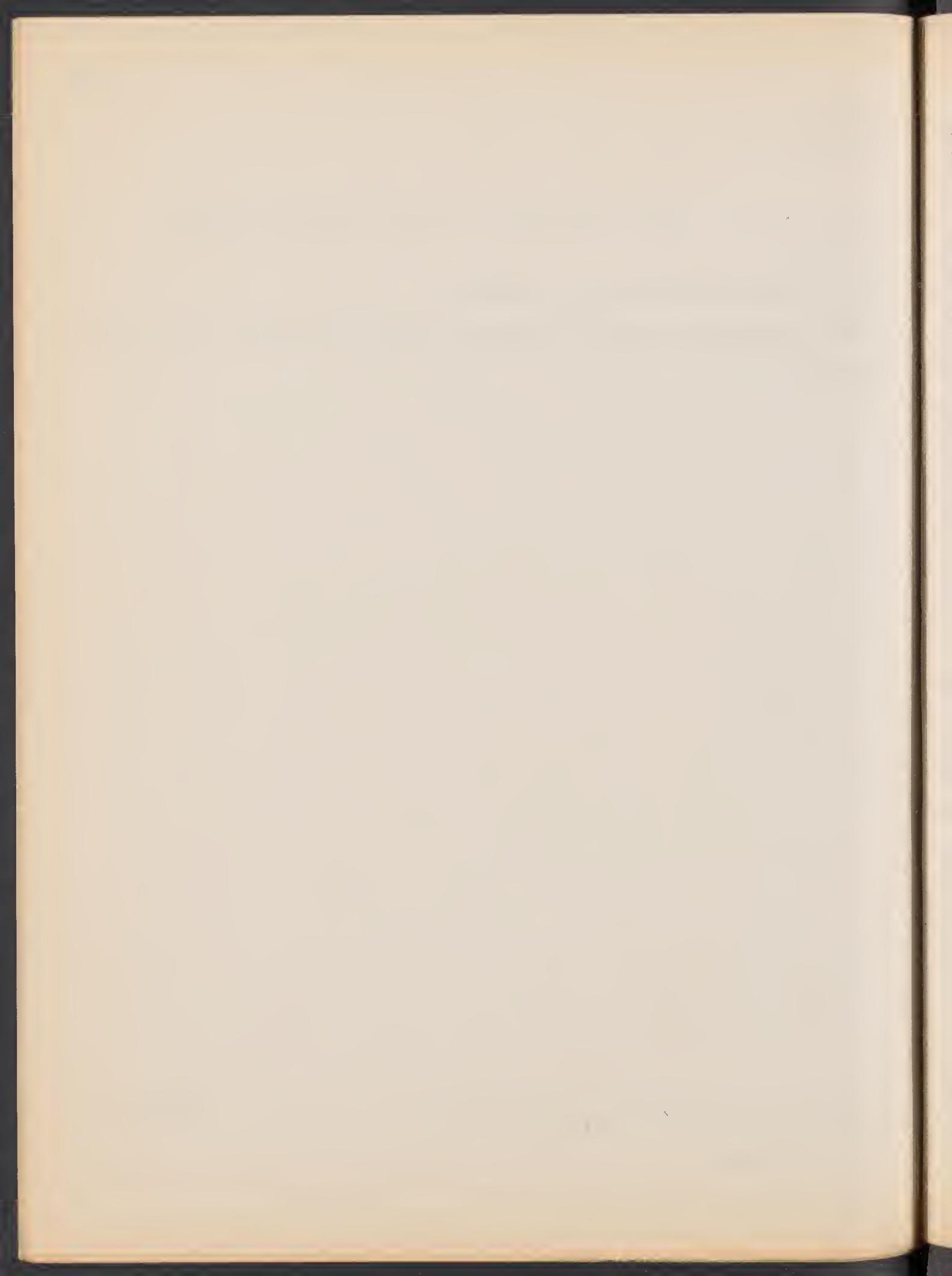
ills white, adnate, broad, subdistant

Stipe cartilaginous, white, staining black after handled, 2cm. x 2mm.,
fibrous

Costa Rica, San José prov., Montebello,

Dodge & Goering

7-10-36



Mycena
Microphila Le

Pileus convex, often reniform (from position on side of log) 1.4cm., white slightly striate with light buff, somewhat depressed over stipe; margin even

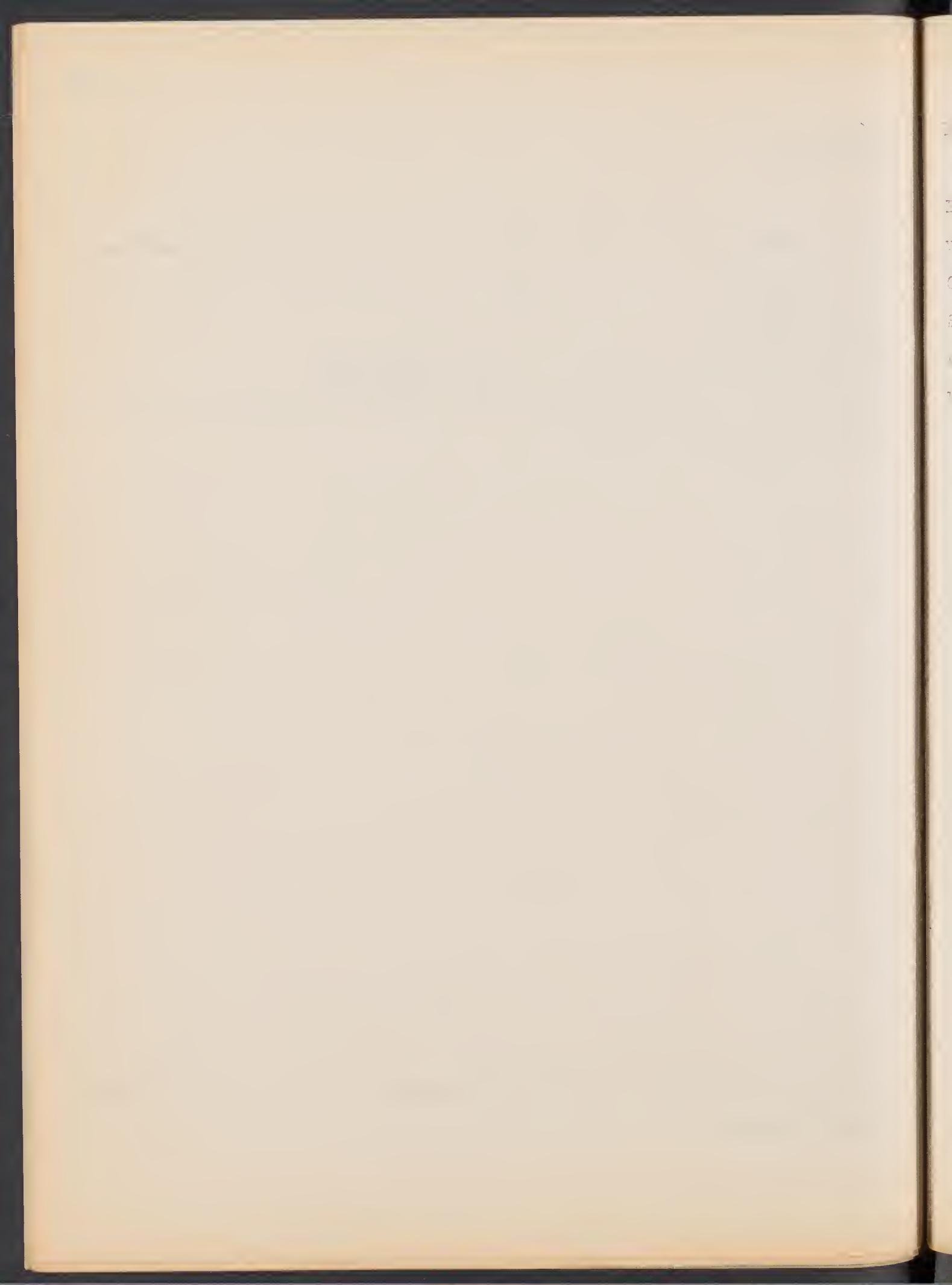
Gills distant, broad, adnate to collar about stipe
1 cm. above

Stipe 1cm. , ^{thin} ~~thick~~, ^{above} ~~below~~, mucinous, cartilaginous, tapering downward, brick red, lessening brown where bundled.

Cost Rica, Líón prov., C. still flat, 2000.

7-25-46

Lodge & George



Lycenea

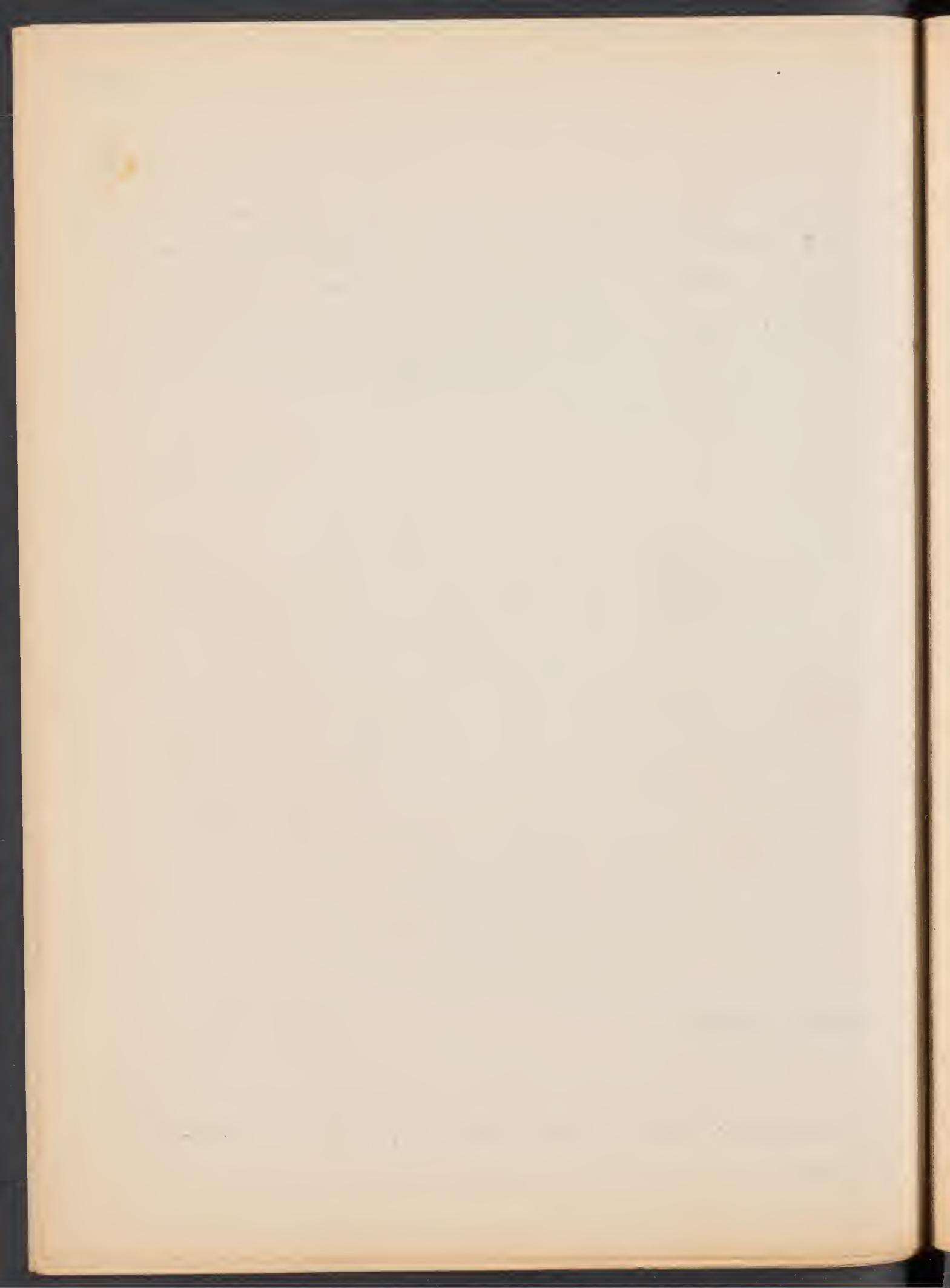
Disk up to 6 cm., expanded to nearly 8 cm.; disc striate, base, breaking
 up into ± concentric striate bay scales to striate lacerate margin
 Gills free, ventricose, narrow, close, pale yellow
 Stipe 3-4 mm. long, less than 1 mm. diameter, cartilaginous, tough,
 striate except at apex but no trace of ring; hairs maroon, short, dense
 below, more scattered above

On Cedrela odorata

Costa Rica, Lión prov., Castillo farm, 80m.

7-29-36

Nevermann



Coprinus comatus

Pileus 6 cm. diam. 20 cm. tall, white, lacerate, squamose,
lower 4 cm. striate; stipe white, smooth, silky, 37 cm. # 20 m
diameter.

Roadside between

Specimens examined:

Costa Rica, San Jose, between San Miguel & San Isidro de Coronado ,

Alt. 1800 m. Dodge 4953

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Coprinus

Pileus campanulate, striate, fibrillose, white when young becoming isabelline on disc, margin white, darkening as autolysis begins 3 cm diam, 2 cm tall; gills adnexed/broad, crowded black, stipe fragile up to 11 cm x 4 mm, shite shining

Costa Rica: Puntarenas, Osa, near Rio Terrones 2-5 m ~~AK~~ Dodge 7725

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Coprinus

Pileus campanulate, 4 cm high, 5 cm diam, striate, hygrophanous
isabelline; gills crowded, broad, free, black; stipe white 15 cm
x 5 mm

Costa Rica: Puntarenas:Osa near Rio Terrones 20-30 m, Dodge 7661



Coprinus

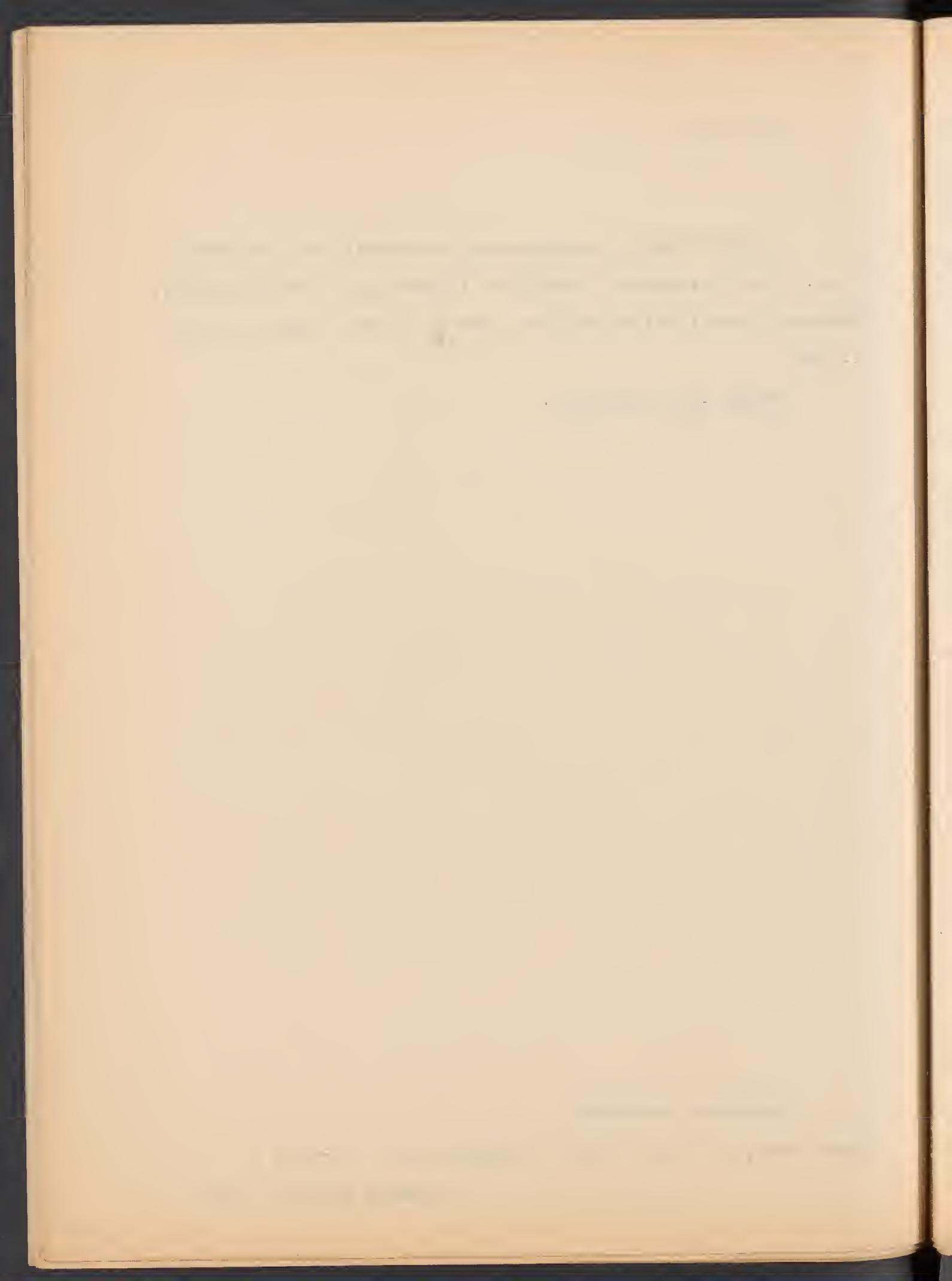
Pileus ovoid to campanulate; universal veil not seen; 1 cm. either diameter, chamois or lighter; gills crowded, white, becoming black; stipe fragile, slender white, shining 3 cm. # 2.5 mm.

Mossy log in potrero.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160-2180 m.

Dodge & Thomas 5059



Coprinus

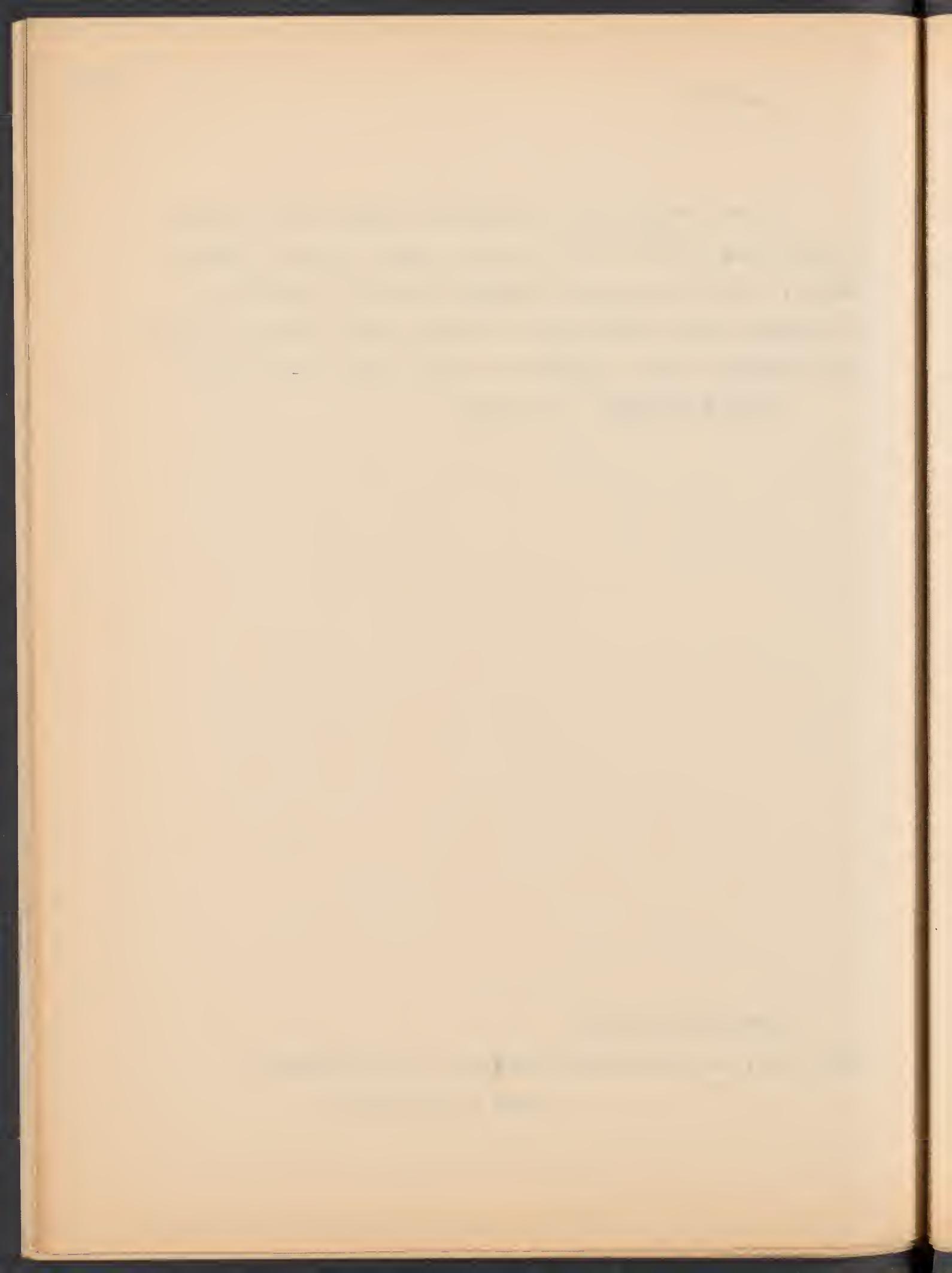
Pileus campanulate to expanded, covered with floccose, furfuraceous universal veil, which quickly rubs off, leaving smooth, striate pileus with Dresden brown disc, shading to avellaneous; gills nearly free, crowded, white, becoming black; stipe fragile, white, variable in length with agee of plant.

Logs in potero S. of house.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160-2180m.

Dodge & Thomas 5060



Coprinus Coprinus

Pileus campanulate with heavy brown tomentum, often arranged in pyramidal warts, rubbing off, leaving smooth or pruinose, shading from buckthorn-brown to warm -buff on the striate, thin margin; 1.5 cm. diameter 1.8 cm. tall; flesh very thin; gills crowded, nearly free; wide; margin of pileus breaking away from margin of bulb by elongation of stipe, which is fragile, 2 cm. long, 4 mm. diameter, white, silky.

On log in potrero S. of house.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160-2180m. Dodge &

Thomas 5109

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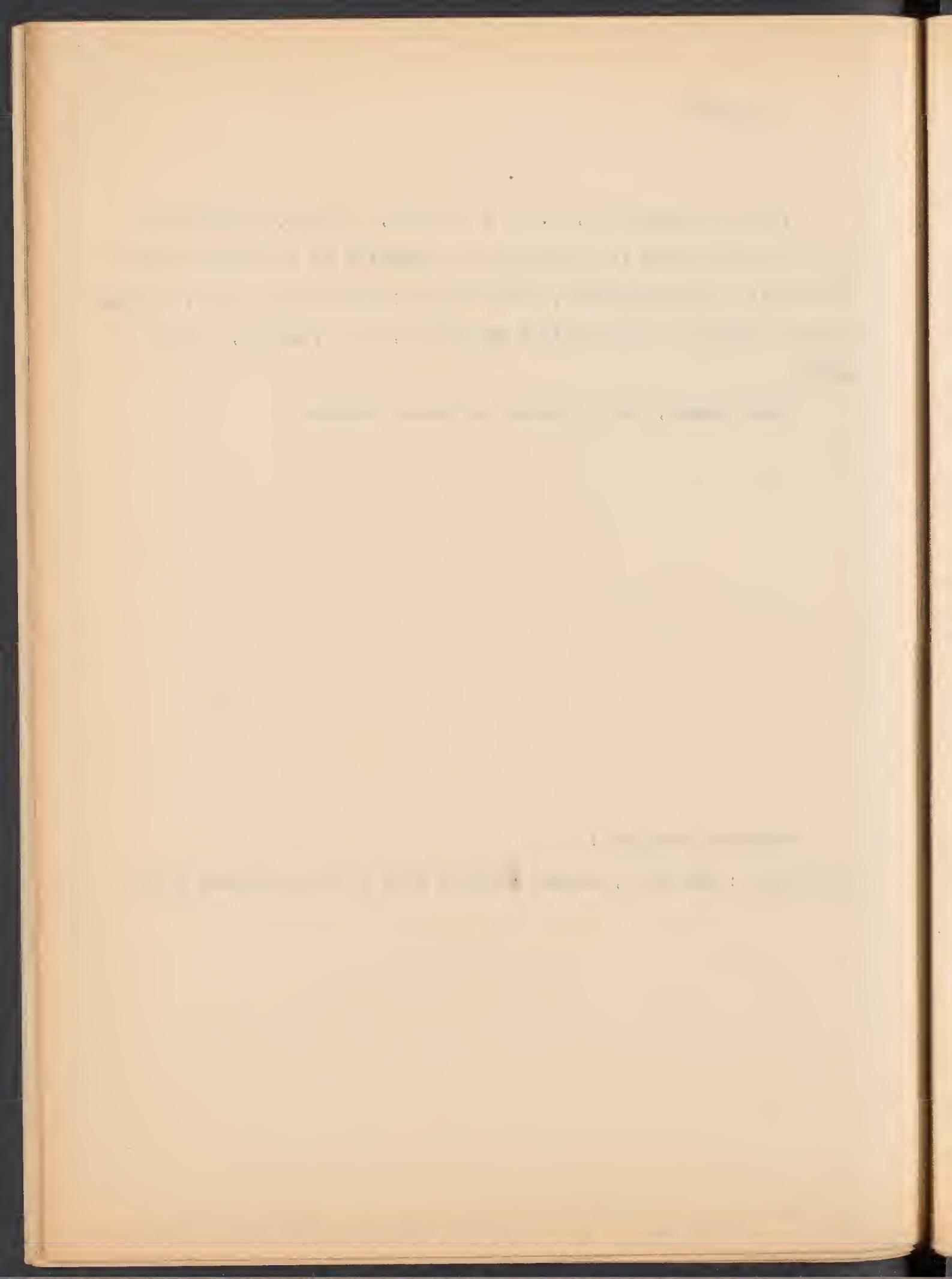
Coprinus

Pileus campanulate, 3.5 x 3 cm thin, striate, pruinose except on disc which is cinnamon brown shading to ochraceous tawny with still lighter margin, very fragile; gills free broad, crowded edges pruinose, stipe white 6 cm hollow, very fragile, silky fibrous

dead stumps, quite common at Rancho Redondo

Specimen examined:

Costa Rica: San Jose, Rancho Redondo 2300 m Dodge & Thomas 5388



Cortinarius

Pileus convex, viscid, tawny to russet, darker when moist, margin appendiculate with fragments of cortina especially when young; flesh white, thin except on disc; gills broad, close, white becoming brownish, adnexed; stipe cartilaginous hollow, white stained red brown by remains of cortina $1.5^{\text{cm}} \times 5$ mm above tapering to 3 mm

cf *Kancoria* 5/64

San José, Costa Rica

Apartado 362,

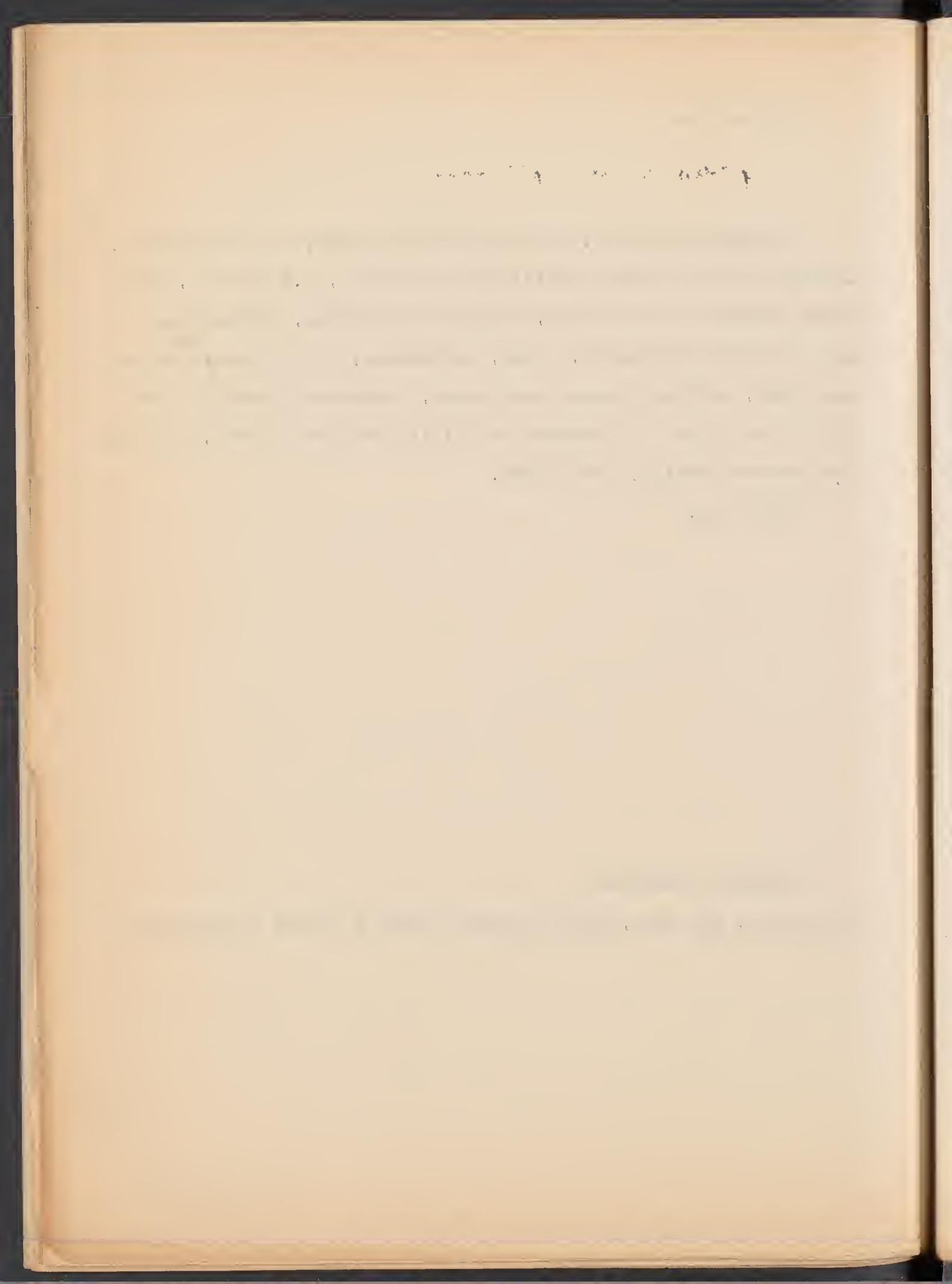
Cortinarius

Pileus hemispheric, conic expanded, convex, with broad umbo, innate fibrillose scaly, moist but not viscid, 2.5 cm diam, amber brown shading to raw sienna, flesh thick on disc, watersoaked; gills adnate very narrow, close, raw sienna; stipe ^{with} fleshy cartilaginous rind; cortina present when young, evanescent leaving a few fibrils at point of attachment of gills, surface fibrous, slightly darker where handled, raw sienna.

Mossy log.

Specimens examined

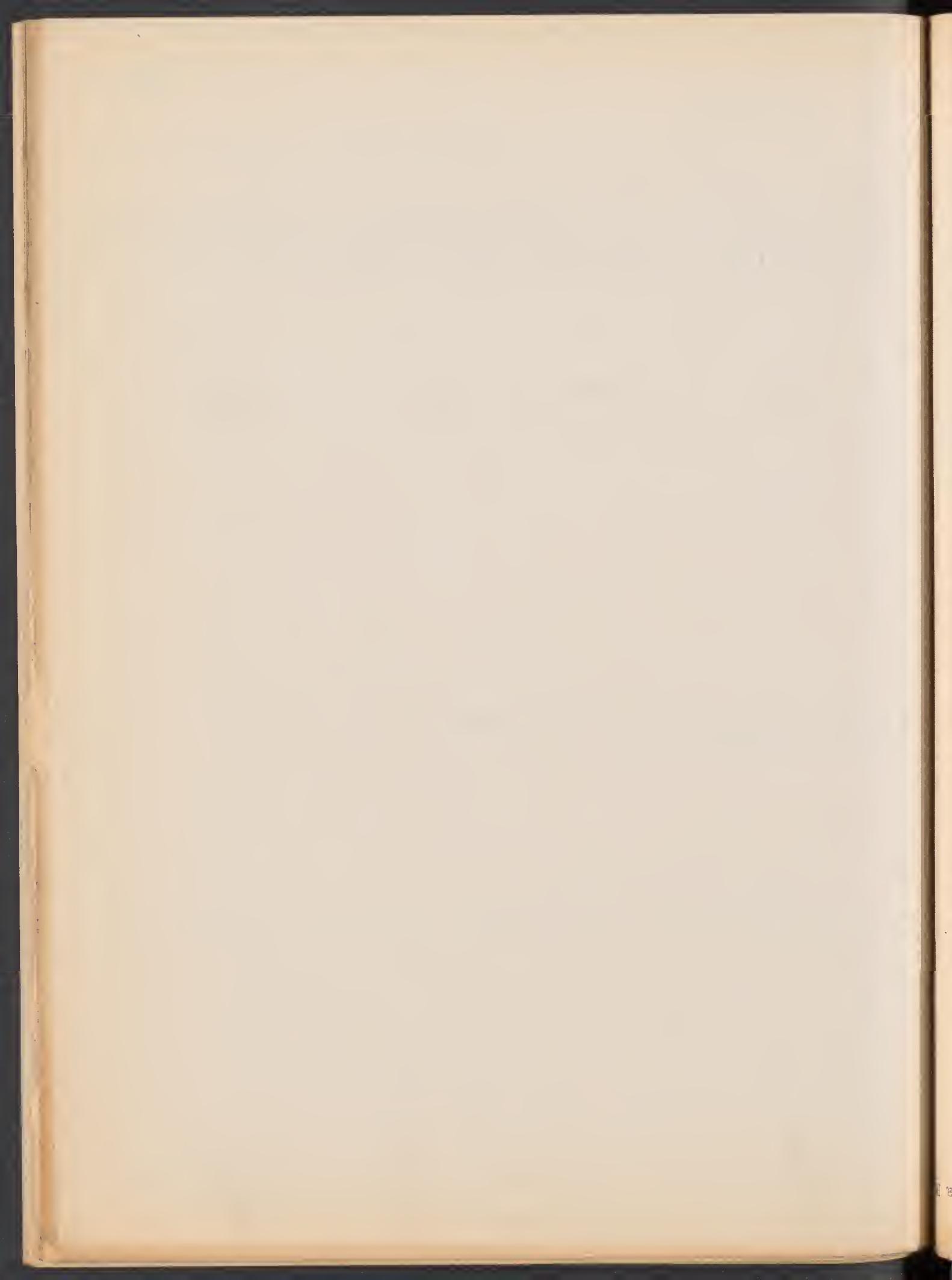
Costa Rica: San Jose, Rancho Redondo, 2400 m, Dodge & Thomas 5022



*Cortinarius*cf. *M. tricholoma* (L.) Fr.

Fruit uncoated brown, cap 30-40 mm diam. l. 1.5, high disc
finely fibrilliferous, slightly hygrophanous, tan, result in
gills brown adnate close near the tip. Stem hyaline, ending in a flat
bulb 1.7 cm. diam. little flesh, fibrillos from remains of cortina
which is largely appressed to margin

Costa Rica San José Prov. Rancho La Coudo 2200' 7-15-66
Dodge and Boerner



Cortinarius

cf Collybia temipes group if spores white

Pileus hemispheric (not fully expanded) about 1 cm diam
xanthine orange, slightly ~~xxx~~ lighter toward the margin with
5-6 sided truncated pyramidal warts (E. variegatus like);
flesh thick, watery, gills apricot yellow, broad, close, adnexed
edges lighter, pruinose, crenate, serrate, cortina present, about
the color of the gills; stipe antique brown on handling, fibrillose
scaly squamose, apricot yellow, cartilaginous hollow, 17 x 2.5 mm

bank by roadside

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2300 m, Dodge & Thomas 5114

Scientific Name

D. crenulata Name undent 1 sp.

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Specimens examined:

alt.

Costa Rica: San Jose, Rancho Redondo, Dodge & Thomas 5262

Crepidotus cf cacophyllus

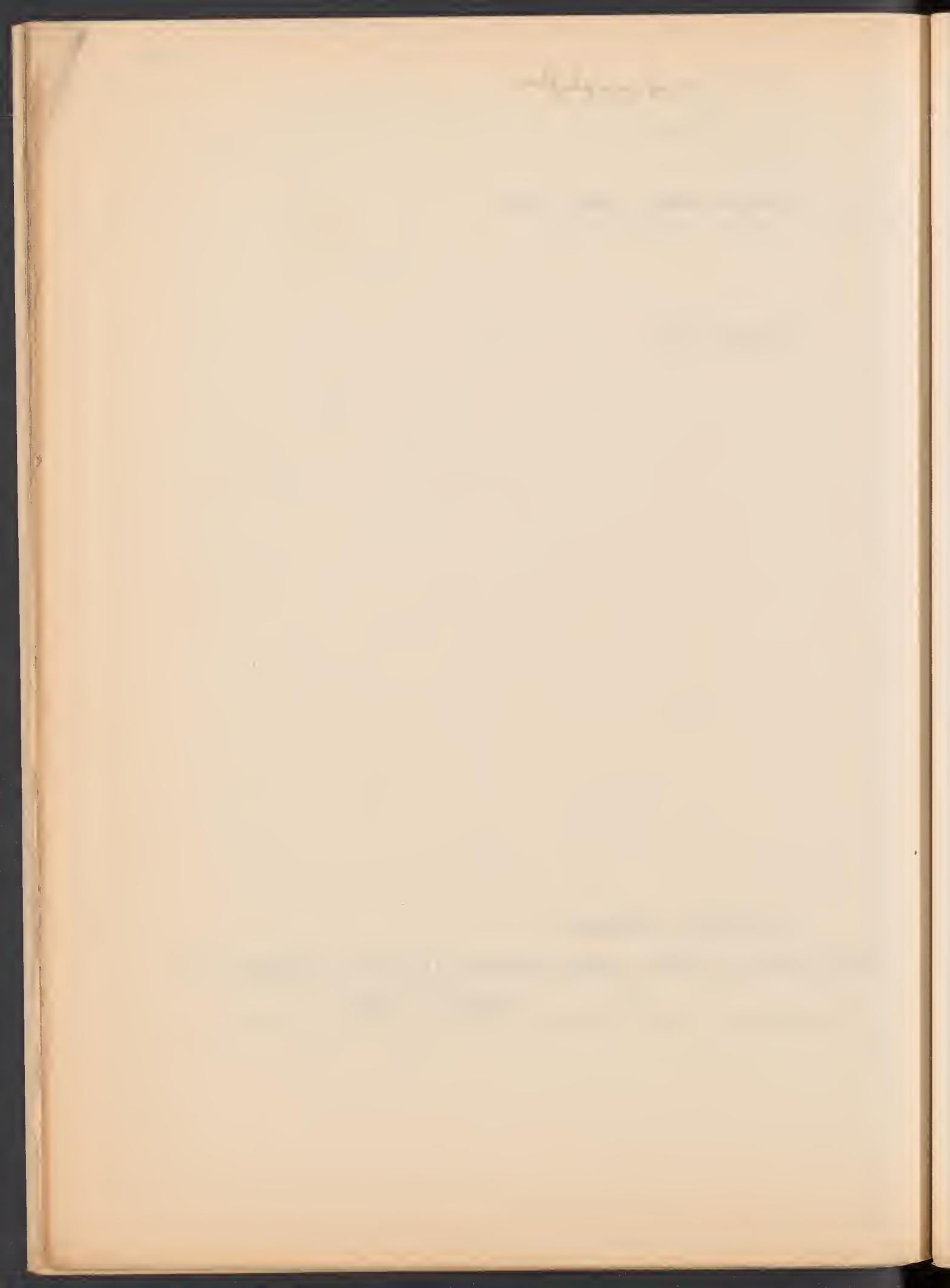
Pileus tawny, scaly above.

Rotten log.

Specimens examined:

Costa Rica, San Jose, Rancho Reaonao, Alt. 2250 m. Dodge and

Thomas 5124



Crepidotus

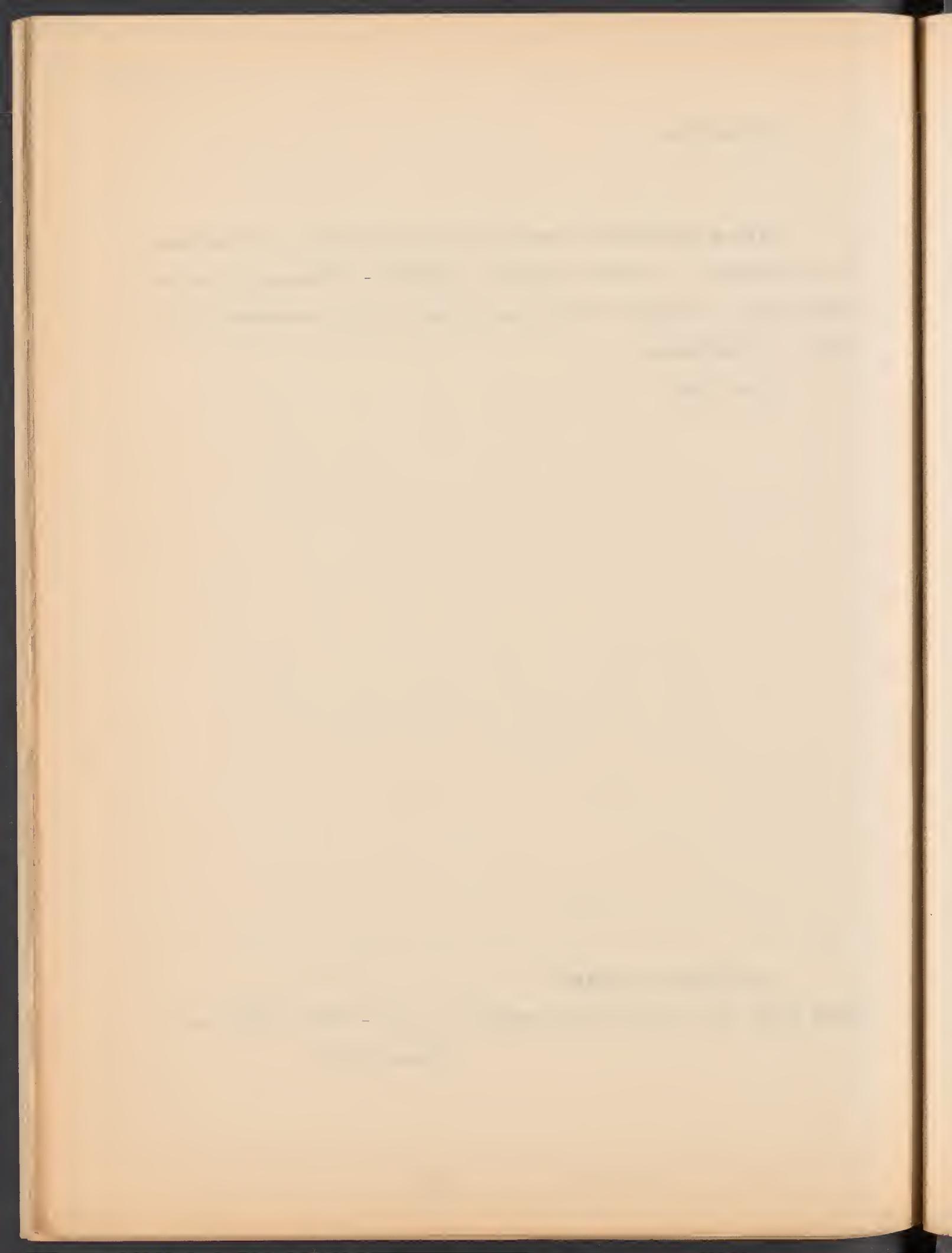
Pileus applanate to depressed, flabelliform to dimidiate by coalescence, blackening above, buckthorn-brown, hygrophanous; gills thick, crisped interveined cinnamon buff, decurrent along point of attachment.

Dead log.

Specimens examined:

Costa Rica, San Jose, Rancho Reaonao, Alt. 25-2400m. Dodge and

Thomas 5049



Crepidotus

Pileus up to 6 cm. partly resupinate to point of attachment above and near center but pileus split up ~~the~~ underside as inverted *Otidea*, viscid, buff near point of attachment, otherwise white, reticulate with water-soaked veins; gills close to crowded, wide, edges floccose with remains of partial veil.

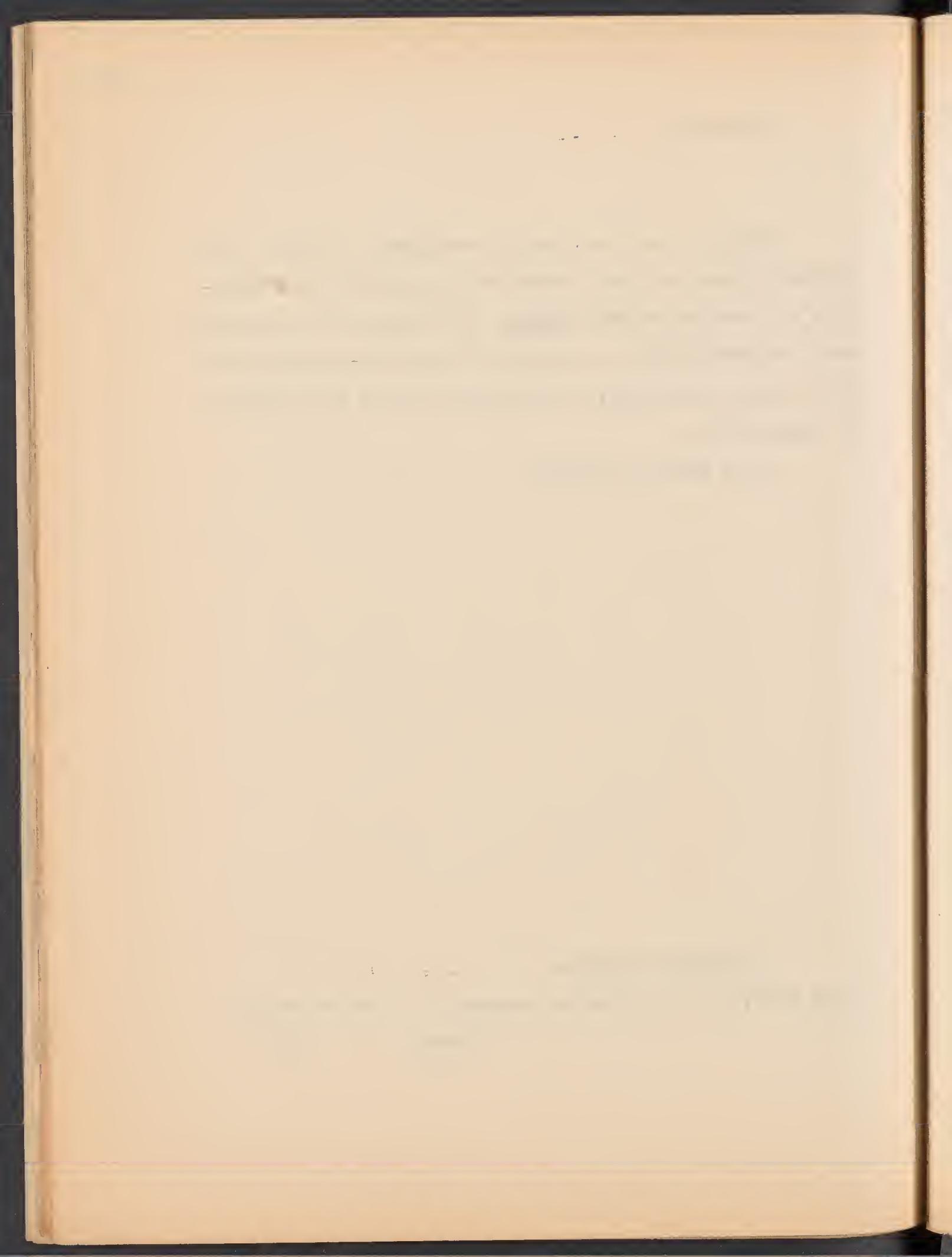
Dead stump in potrero.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2600m. Dodge &

Thomas

5122



Crepidotus near *C. fumosifolius*?
Sp. *C. calolepidoides*.

Pileus subdimidiate up to 2 cm. diam., white above,
brown below, surface smooth with very small pyramidal brown
groups of fibres; lamellae adnate to point of attachment.

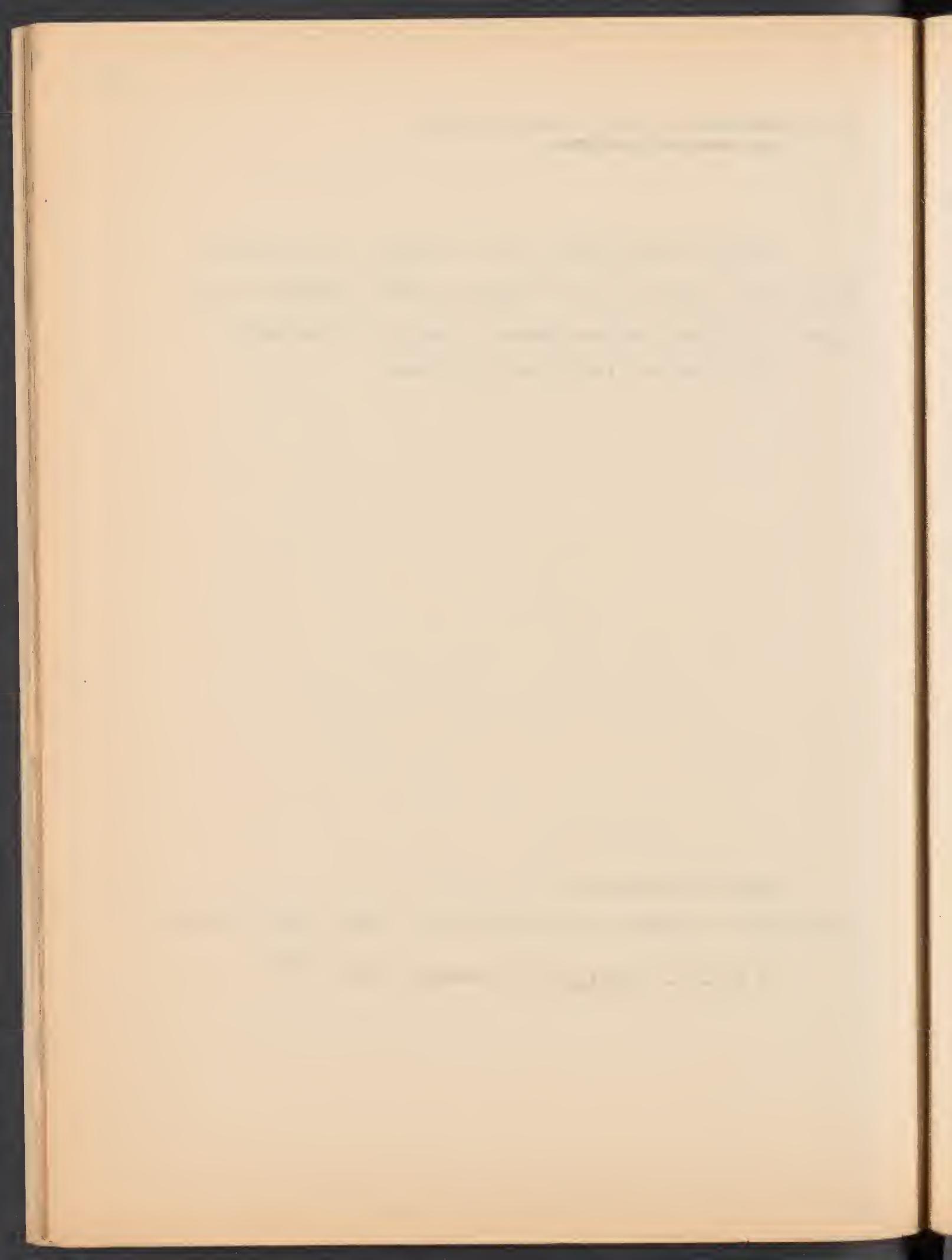
Dead stub on living tree in forest.

Specimens examined:

Costa Rica, Cartago, La Carpintera, Alt. 1500m. Dodge & Thomas

4812

? Simon: Waldeck 40m Dodge 7318



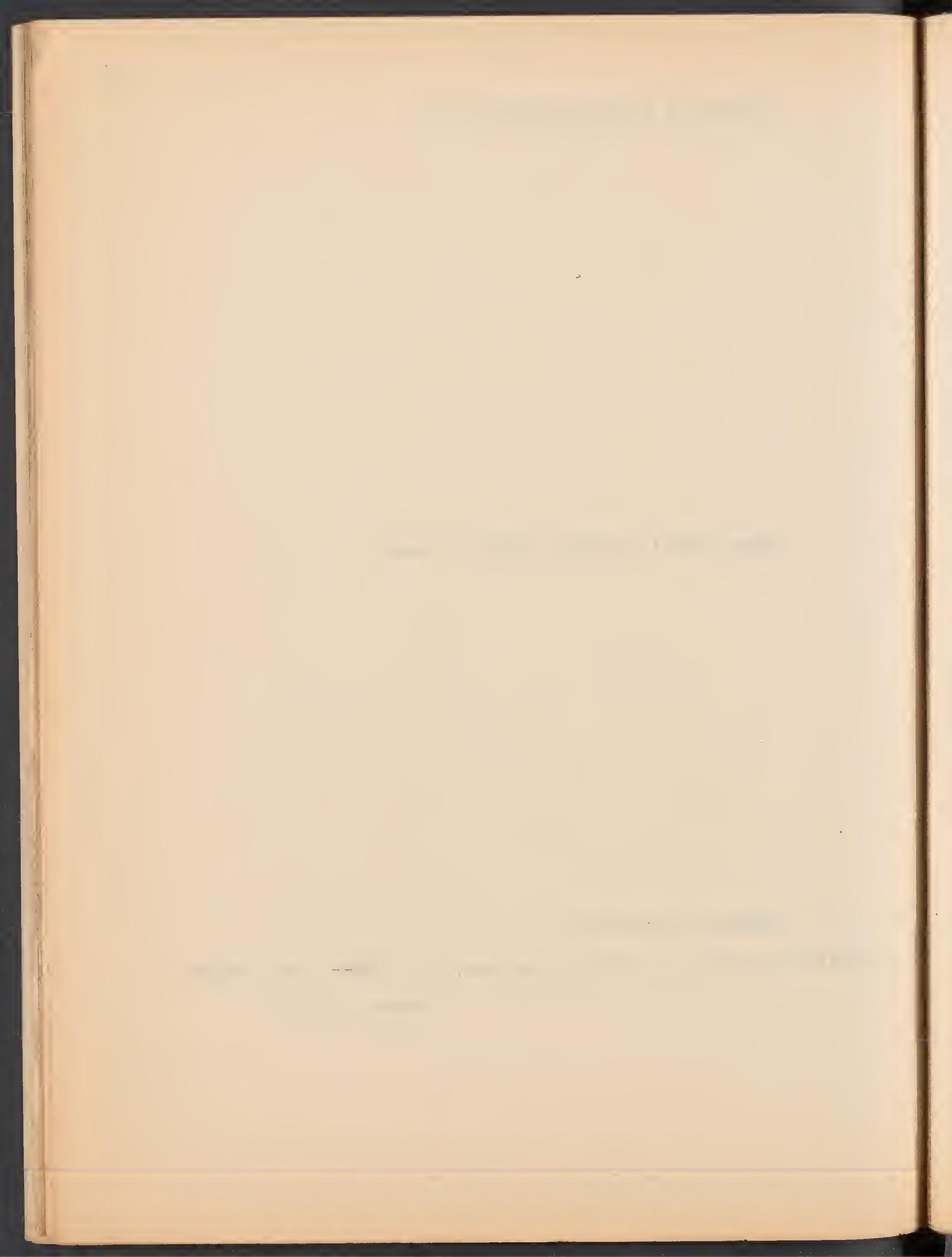
Crepidotus calolepidoides group

Dead wood in potrero south of house

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160& 2180, Dodge&

Thomas 5123



Crepidotus calolepidoides group

Pileus dimidiate, 6 X 4 cm. expanded, surface, fibrillose, scaly, subhygrophanous, margin watery, disc snuff-brown, shading to cream-buff, dotted with snuff-brown scales, gills decurrent along point of attachment, crowded, subventricose, snuff-brown to bister.

On bark of living Eucalyptus sp. Garden

Specimens examined.:

Costa Rica, San Jose, Rancho Redondo, Alt. 2150 m. Dodge 5129

Crepidotus

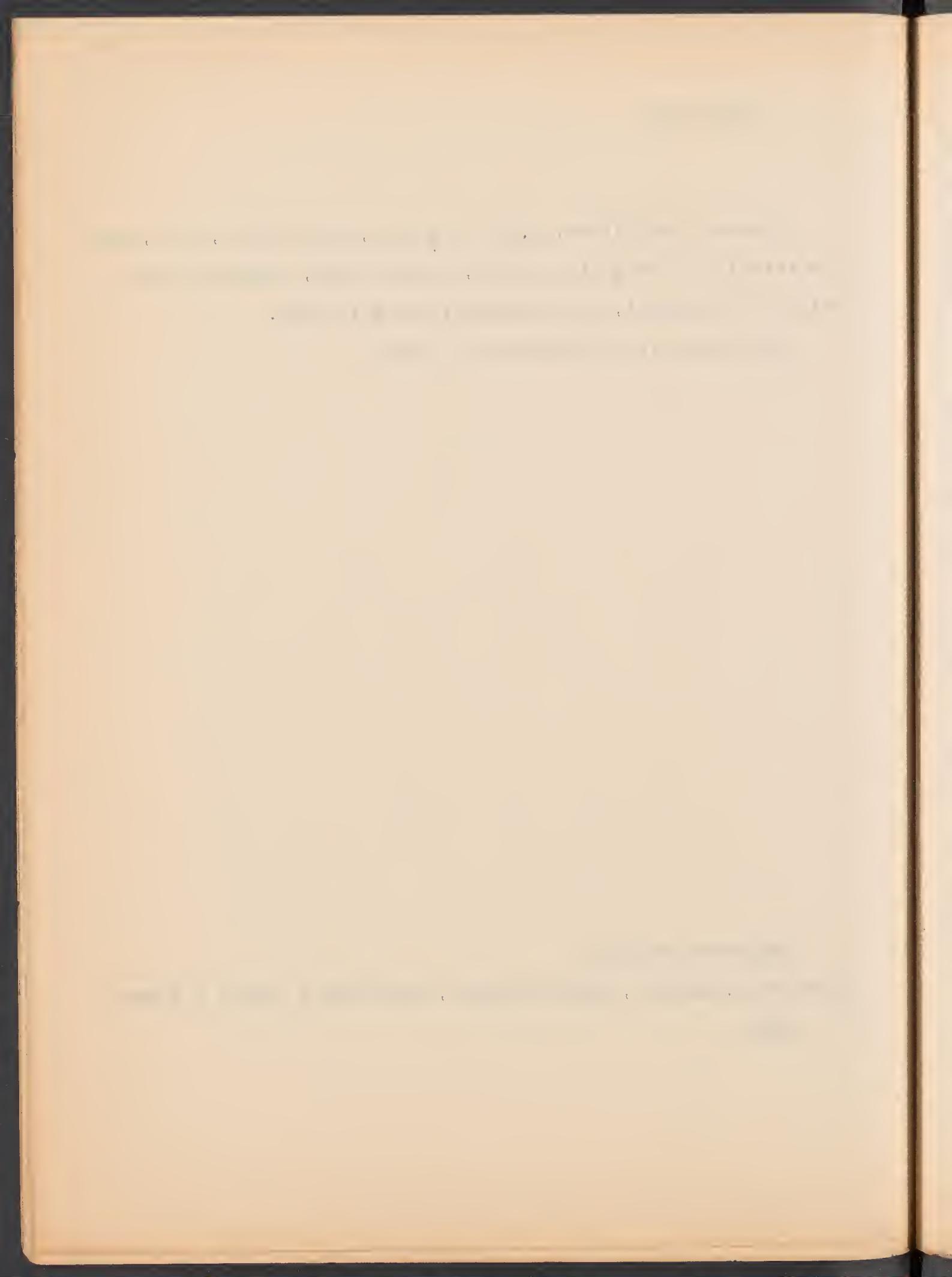
Pileus flabelliform, 2.5x 2 cm, flat, clove brown, dull, margin faintly striate; gills close, medium width, decurrent along point of attachment, olive brown; flesh very thin.

Mossy long in potrero south of house

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2160-2180 m Dodge & Thomas

5064



Crepidotus

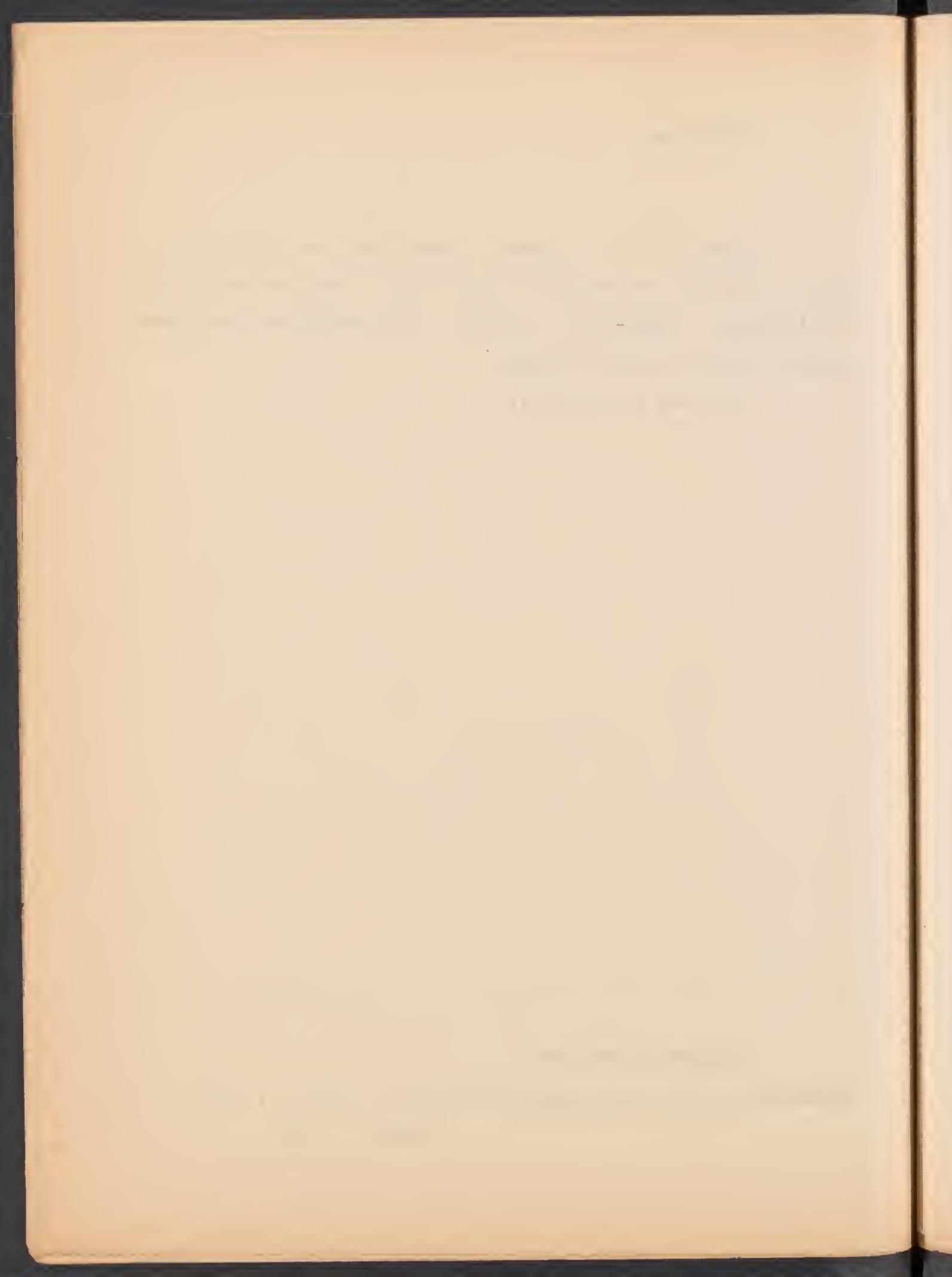
Pileus 2.5 cm. diameter, flabelliform to subdimidiate, flat to slightly convex, clay color; gills decurrent along point of attachment, cream-buff or darker, close, ventricose, attachment lateral with no trace of atipe.

On stump by roadside.

Specimens examined.

Costa Rica, San Jose, Rancho Redondo, Alt. 2270 m., Dodge &

Thomas 4981



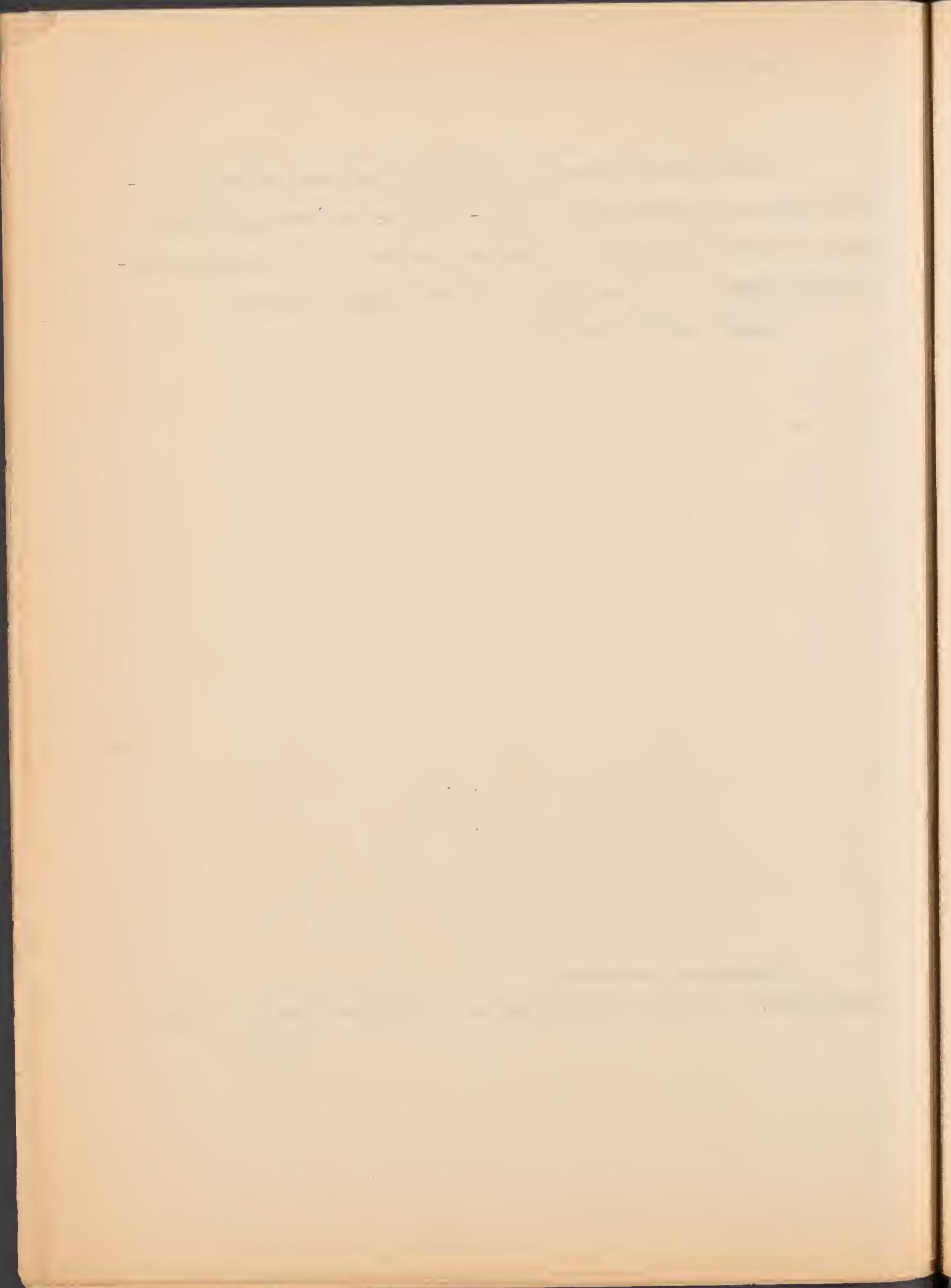
Pileus flabelliform to somewhat dimidiate, expanded surface, smooth, hygrophanous, light-pinkish-cinnamon, substriate; gills concolor, adnate to olive buff stipe which appears flabelliform below up to 5 mm. long, diameter wholly lateral.

Mossy bank by roadside.

Specimens examined;

Costa Rica, San Jose, Rancho Redondo, Alt. 2500m. Dodge & Thomas

4982



Crepidotus

Pileus flabelliform, slightly convex, tomentose with fascicles of auburn fibres on moist light ochraceous salmon surface; gills adnate to point of attachment, tilleul buff, ventricose, edges slightly wavy; attachment concolor, 5 mm long 3mm diameter

Specimens examined

Costa Rica: San Jose, Rancho Redondo 2180-2350 m Dodge & Thomas 5002

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Crepidotus

Pileus minutely tomentose, ochraceous-buff, 5 # 3.5 cm., margin
crisped, striate; gills amber-brown, adnate, close, narrow; stipe ver
very short.

Decaying log in cassava patch.
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Specimens examined:

Costa Rica, Limon, Livingston Farm, Alt. 70-80 m., Catt, Dodge & Thomas

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Crepidotus n sp.

Pilei close, 5-10 mm. glabrous, avellaneous or lighter; very thin; context; gills broad, distant, becoming cinnamon, adnate to slender; short lateral stipe.

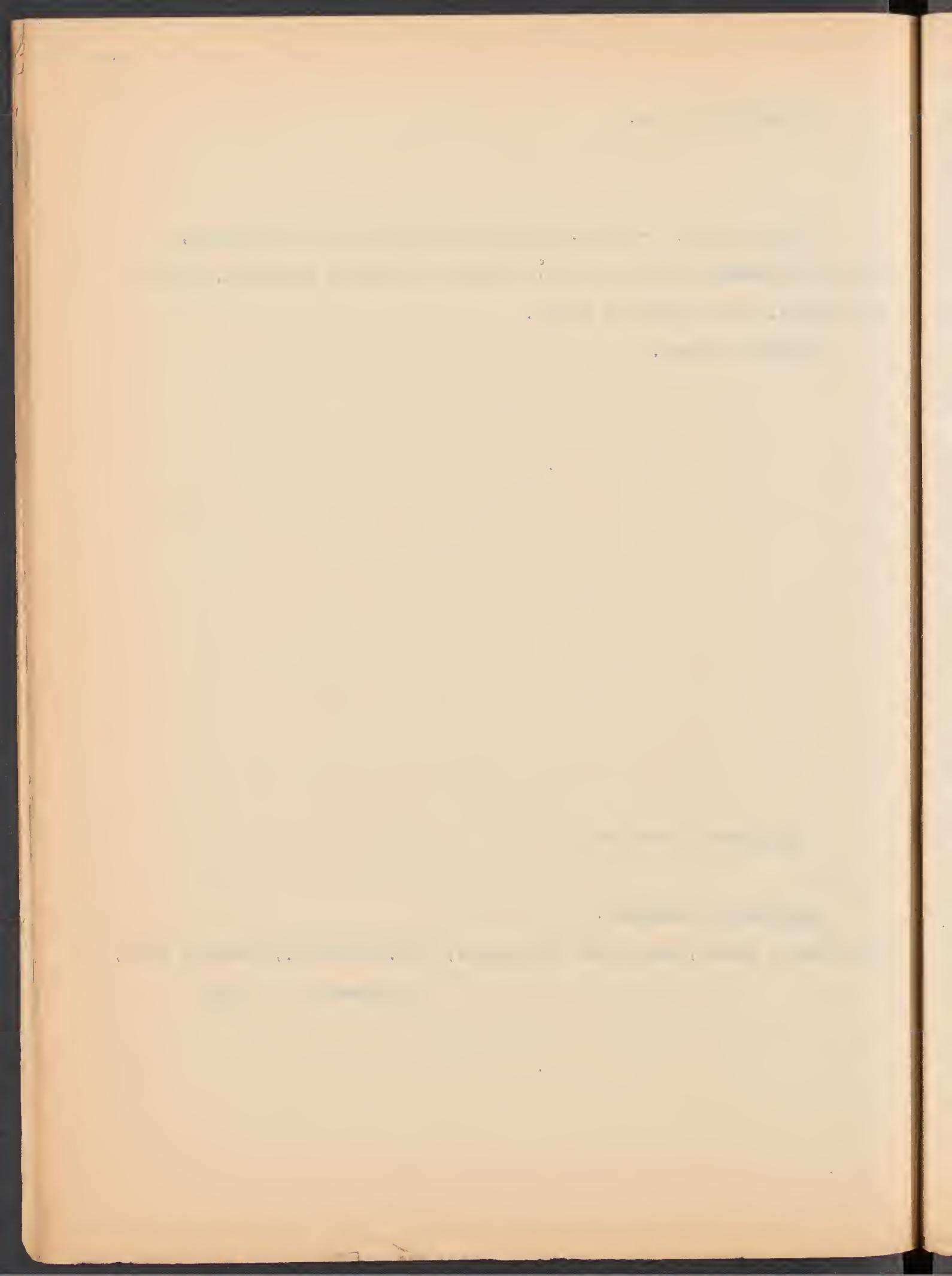
Bark of stump.

Specimens examined:

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 200-300m., Dodge & Catt,

& Thomas 5554



Crepidotus near cunctonensis

Pilei crowded imbricate, sub conic, hygrophanous, white above, margin faintly striate; gills ventricose, pinkish not recurrent along tiny stipe which is lateral and 6 mm long

On dead wood

Specimens examined

Costa Rica: San Jose? Santa Rosa, 2580 m, Dodge & Thomas 5347

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Deconica

Hileus deeply infundibuliform, argus brown, striate, gills broad,
decurrent, distant, concolorous

Stipe 1.5cm. x 1mm., fibrillose, concolorous

On fern roots

Costa Rica, San José prov, S, Pedro de Montes de Oca
Nevermann & Goerger

8-2-36

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Eccilia

Pileus very fragile with 3 splits to stipe, when collected, infundibuliform, 3 cm., white, disc, margin striate, pale ochraceous-salmon; gills broad, decurrent, subdistant, pink; stipe very fragile, white, cartilaginous, hollow, 2.5 cm. # 2.5 mm.

Specimens examined:

Costa Rica, Limon, Rose Hill above Rio Pacuare, Alt. 70-120 m.,

Catt, Dodge & Thomas 5592

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Eccilia near Earlei

Pileus umbonate, up to 3 cm, margin inrolled, not striate, disc ochraceous buff; gills decurrent, subdistant, broad, pinkish cinnamon stipe 3.5 x 3 mm, smooth, light ochraceous buff.

Costa Rica: Puntarenas, Osa, Cerro Guaca

Dodge 7641

lac

Cos

Favolus

Pileus dimidiate up to 3 cm, not tessellate; stipe almost lacking.

Specimens examined:

Costa Rica, Limon, Siquirres South Farm, above Rio Siquirres, Alt.

70- 200m, Catt, Dodge & Thomas 5562

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b

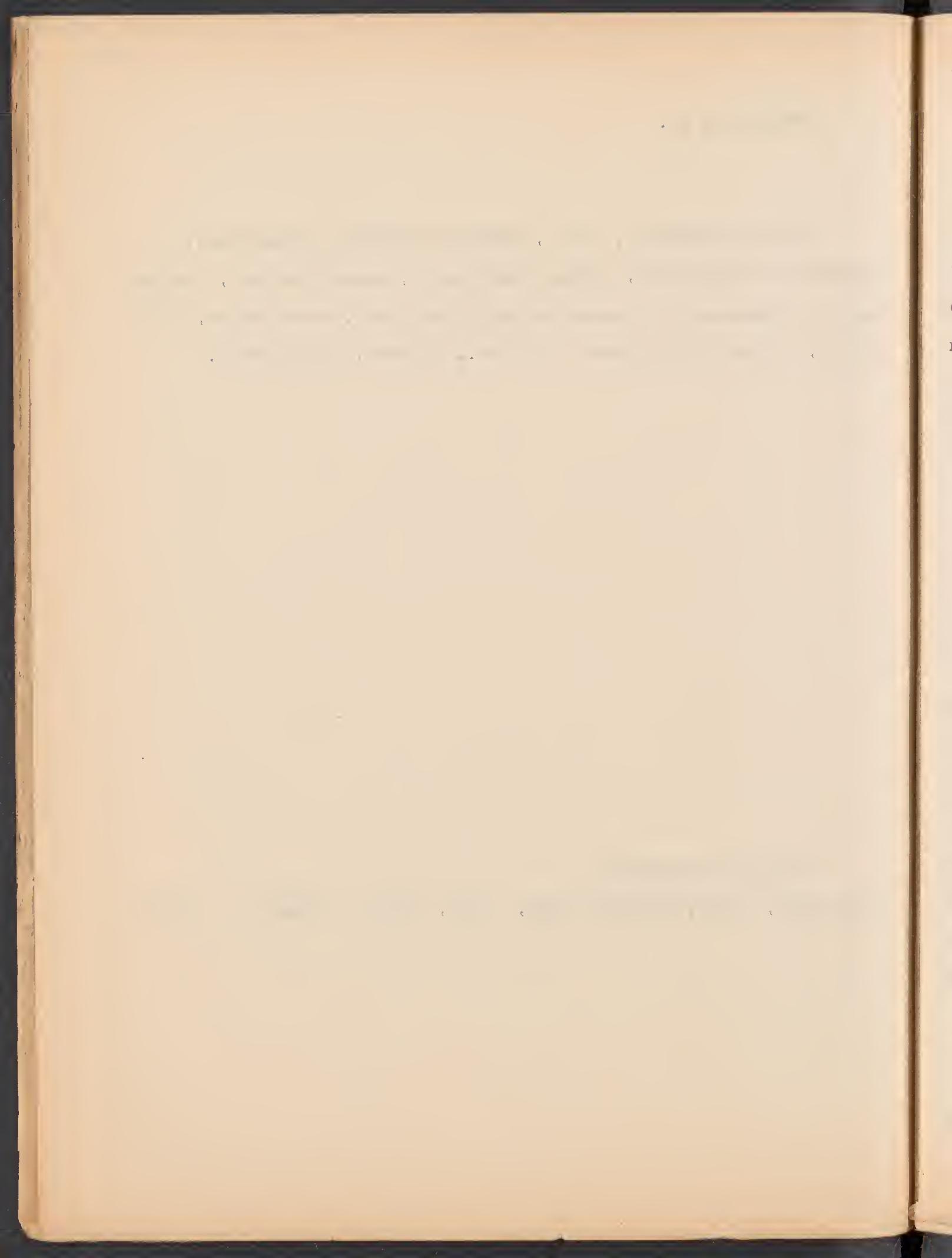
c

Favolus n sp.

Pileus tomentose, 6 # 8, wholly tessellate, margin thin, dentate or sublacerate, context membranous, except on disc, pinkish-buff to cinnamon-buff; tubes slightly decurrent, white edges, fibrillose, eroded; stipe short 7 # 6 mm., lateral, concolorous.

Specimens examined:

Costa Rica, Limon, Barnstorf Farm, Catt, Dodge, & Thomas 5541

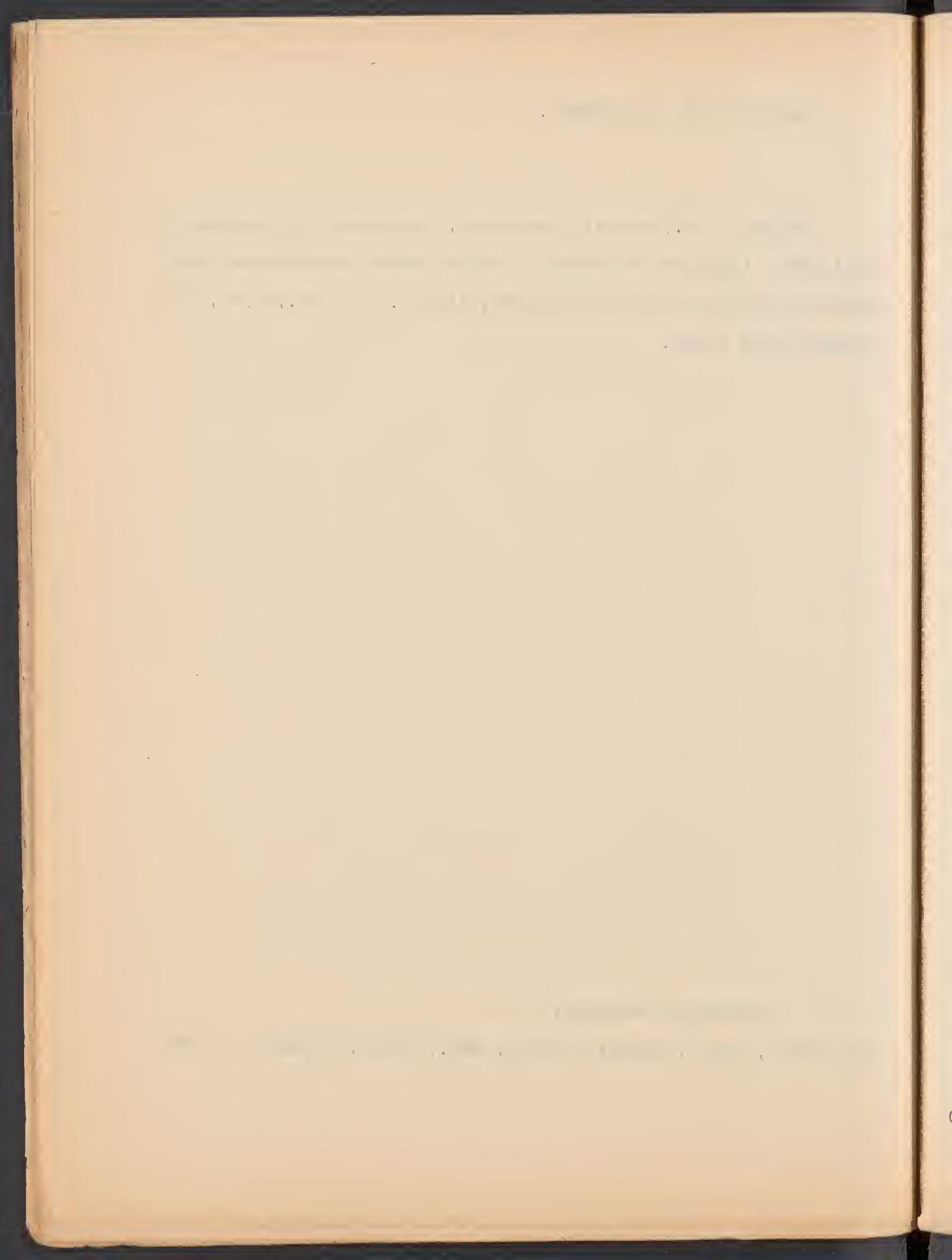


Favolus near reniformis.

Pileus 5 cm., minutely tomentose, tessellate with tendency to split down; tubes as in Hiatula, context almost membranous; tubes decurrent on stipe, edges fimbriate; stipe 1.5 # 4 mm., white, tomentose below tubes.

Specimens examined:

Costa Rica, Limon, Barnstorf Farm, Satt, Dodge, & Thomas 5536



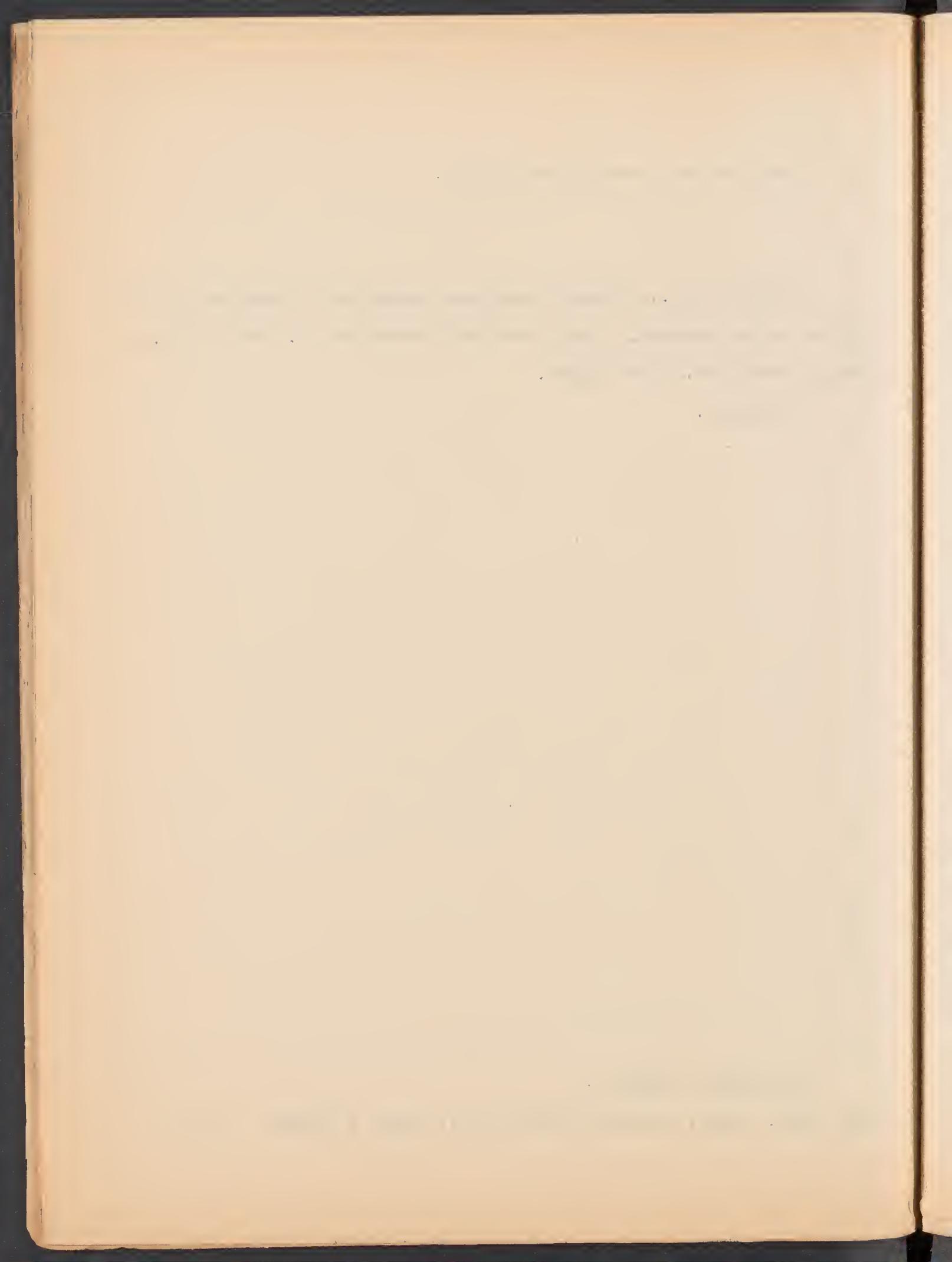
Favolus near subcaperata in key.

Pileus 8 cm., surface, tomentose, tessellate on margin, smooth on disc; stipe lateral; tubes somewhat decurrent, 2.5 cm # 8 mm., spongy, tomentose, below tubes.

Dead log.

Specimens examined:

Costa Rica, Limon, Barnstorf Farm, Catt, Dodge & Thomas 5530



Favolus near ~~reiniformis~~.

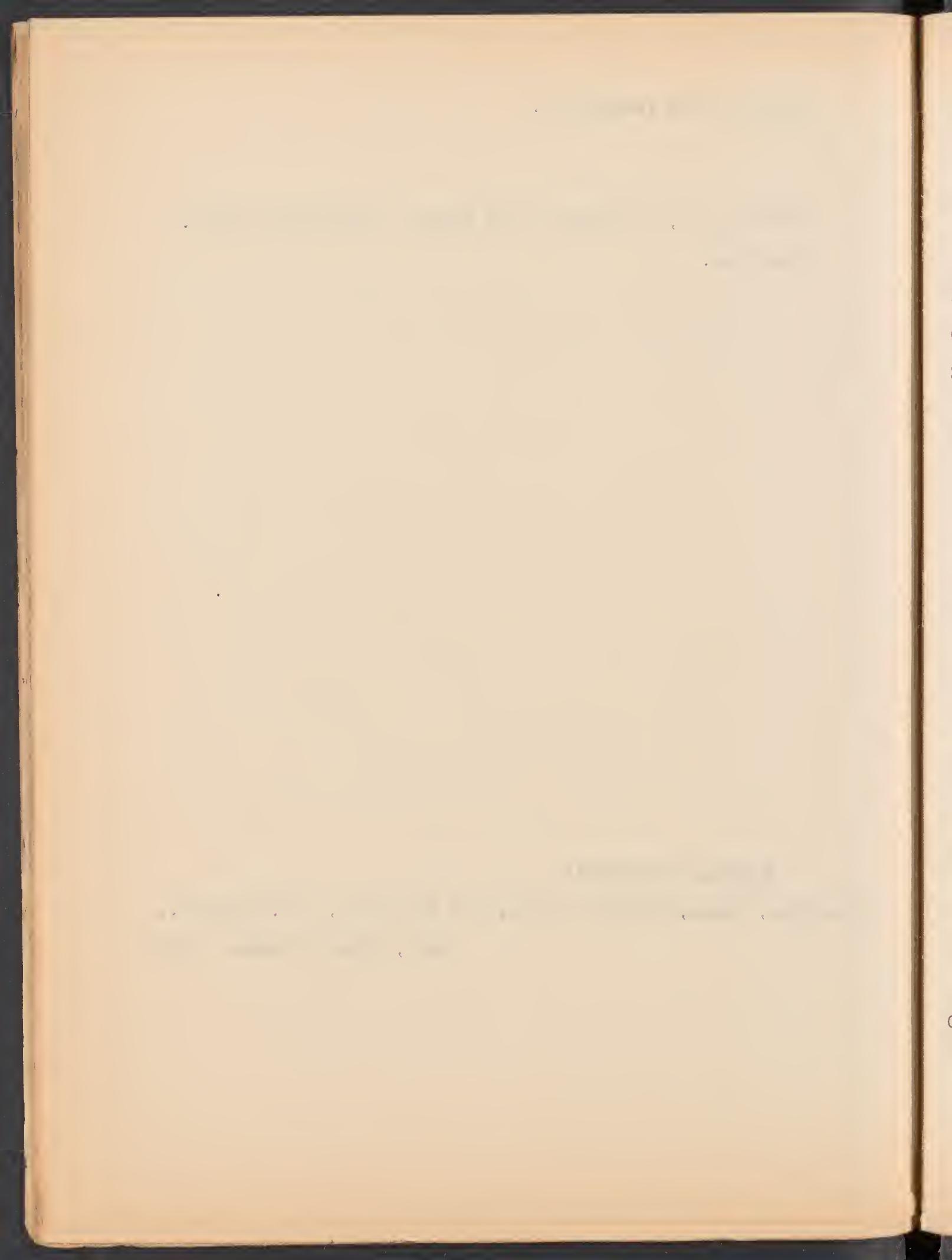
Pileus gray, reticulate with darker lines; context thin.

Dead log.

Specimens examined:

Costa Rica, Limon, tributary south, Rio Siquirres, Alt. 160-180m.,

Catt, Dodge & Thomas 5526

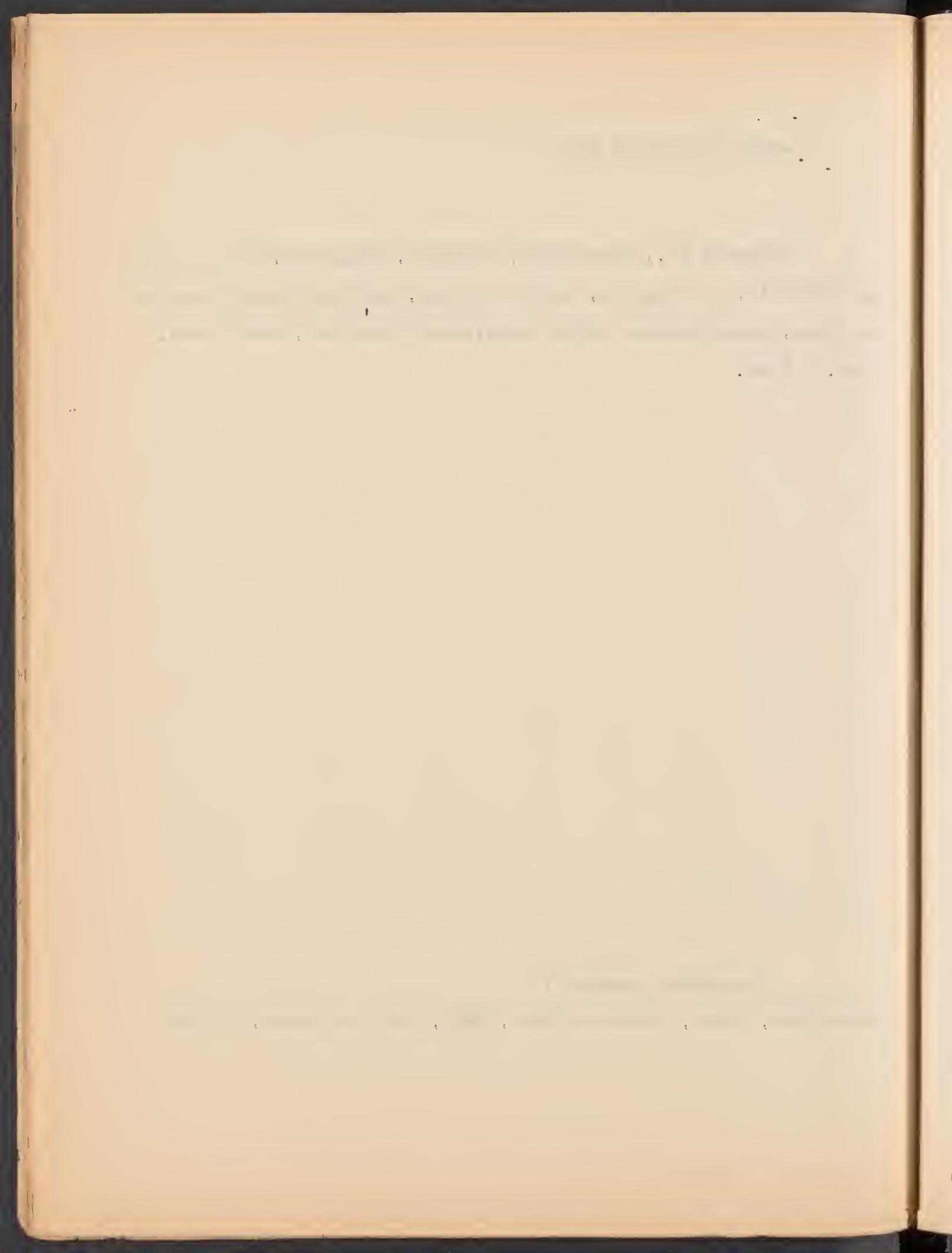


Favolus caperata group

Pileus 8 cm., cream-color, irregular, caespitose, margin slightly tessellate, rest opaque, smooth surface; tomentose tubes decurrent on stipe, edges smooth; stipe short, white tomentose, below tubes, 2 cm. # 8 mm.

Specimens examined:

Costa Rica, Limon, Barnstorf Farm, Gatt, Dodge & Thomas, 5524



~~Favolus~~ try Marasmius polyporoides.

~~Cold~~ Colletinus

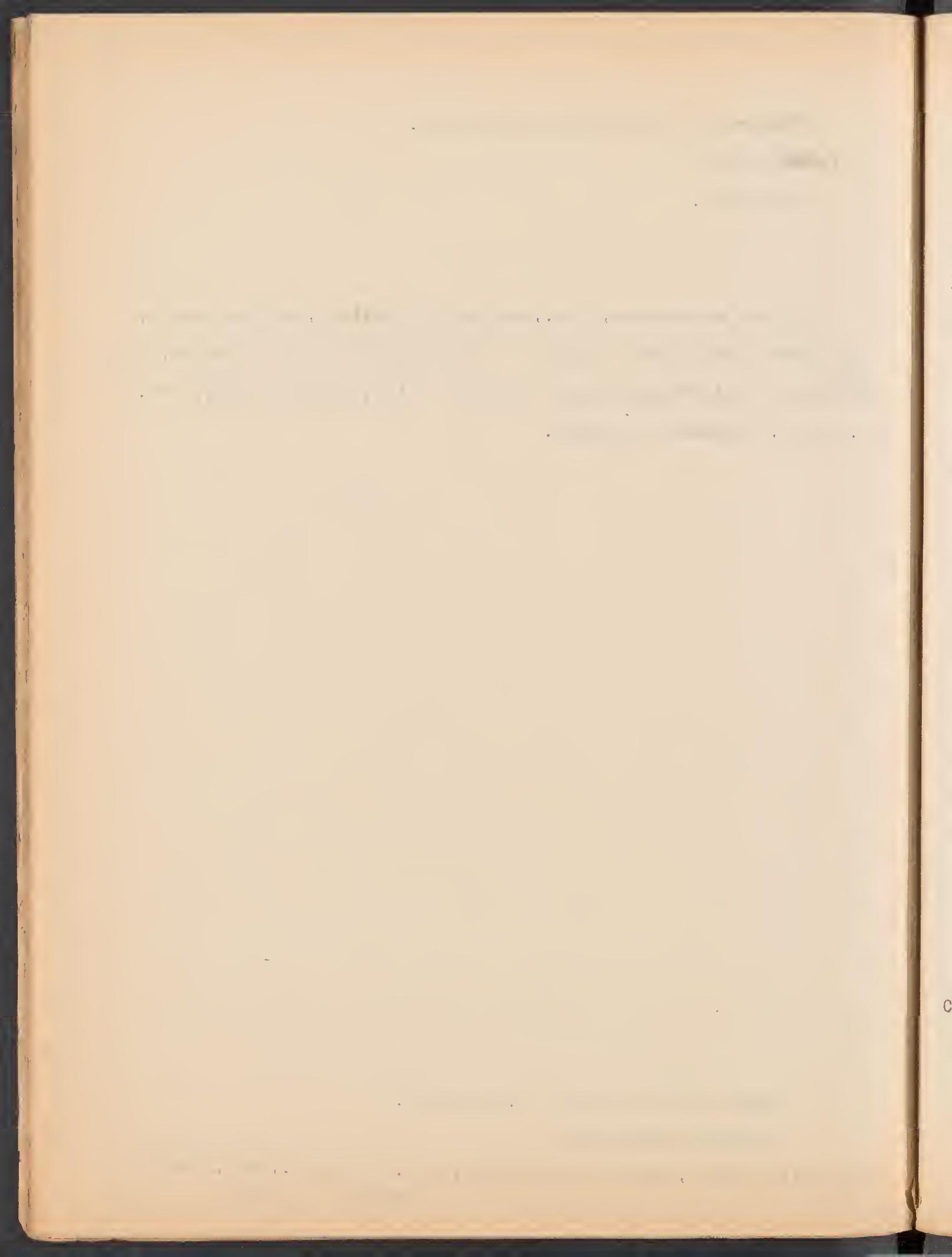
New genus.

Pileus membranous, 2 cm., centrally stipitate, surface smooth, reticulate along lines of gills or pores, light-pinkish-cinnamon; hymen hymenium of interveined gills? concolor stipe, slender, tough, 2 cm. # .7-1 mm. cinnamon or darker.

Dead leaf mould above R. Siquirres.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 200-240 m., Catt, Dodge & Thomas 5522



Flammula

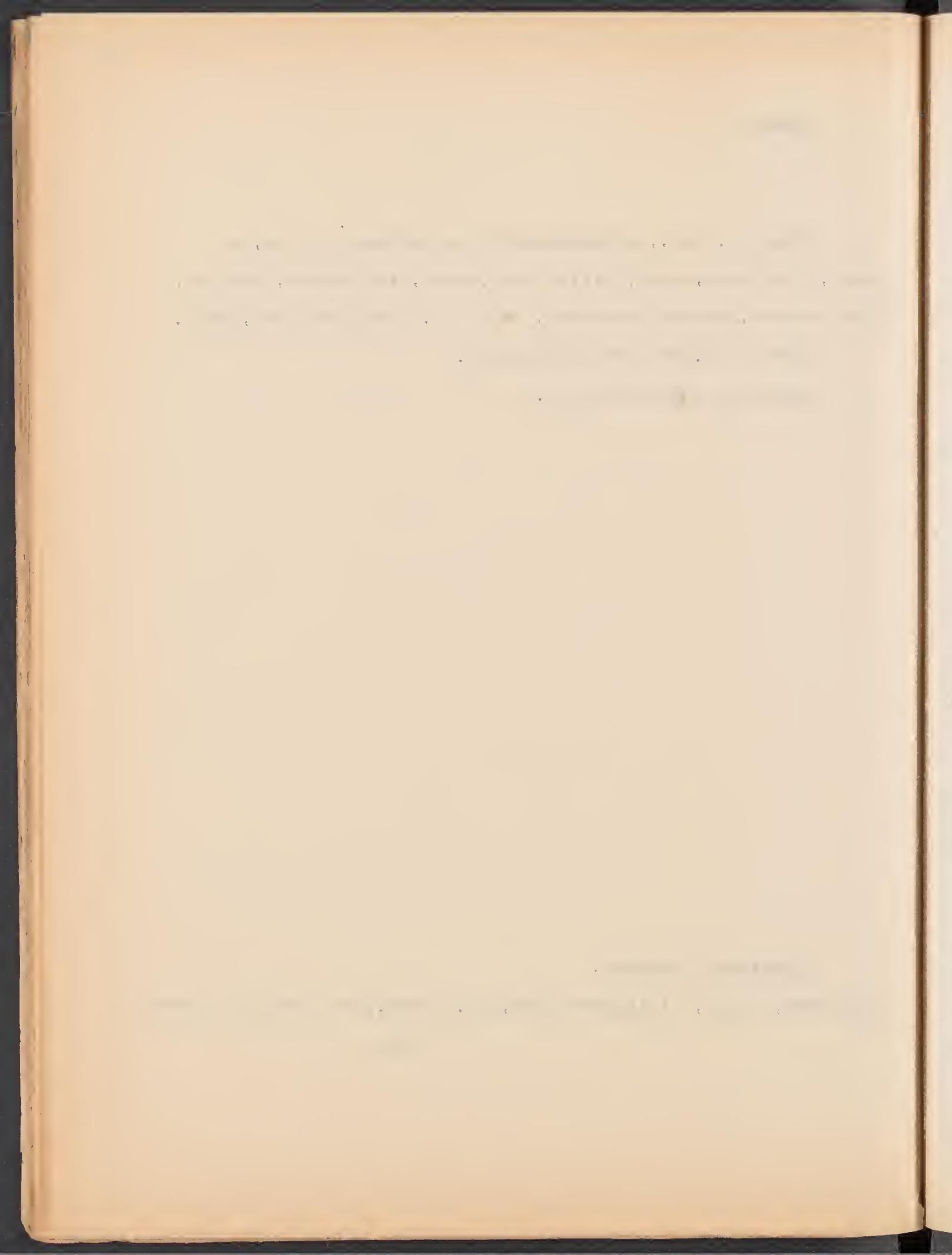
Pileus 2.2 cm., ochraceous-buff to antimony-yellow, expanded, fibrillose, scaly; gills close, broad, zinc-orange, adnexed; stipe slender, tapering downward, 15 # 3-1.5 mm, fibrillose, scaly.

Close to F.4642 from Coliblanco.

Cespitose on decaying log.

Specimens examined:

Costa Rica, Limon, Livingston Farm, Alt. 70-80m., Catt, Dodge & Thomas



227

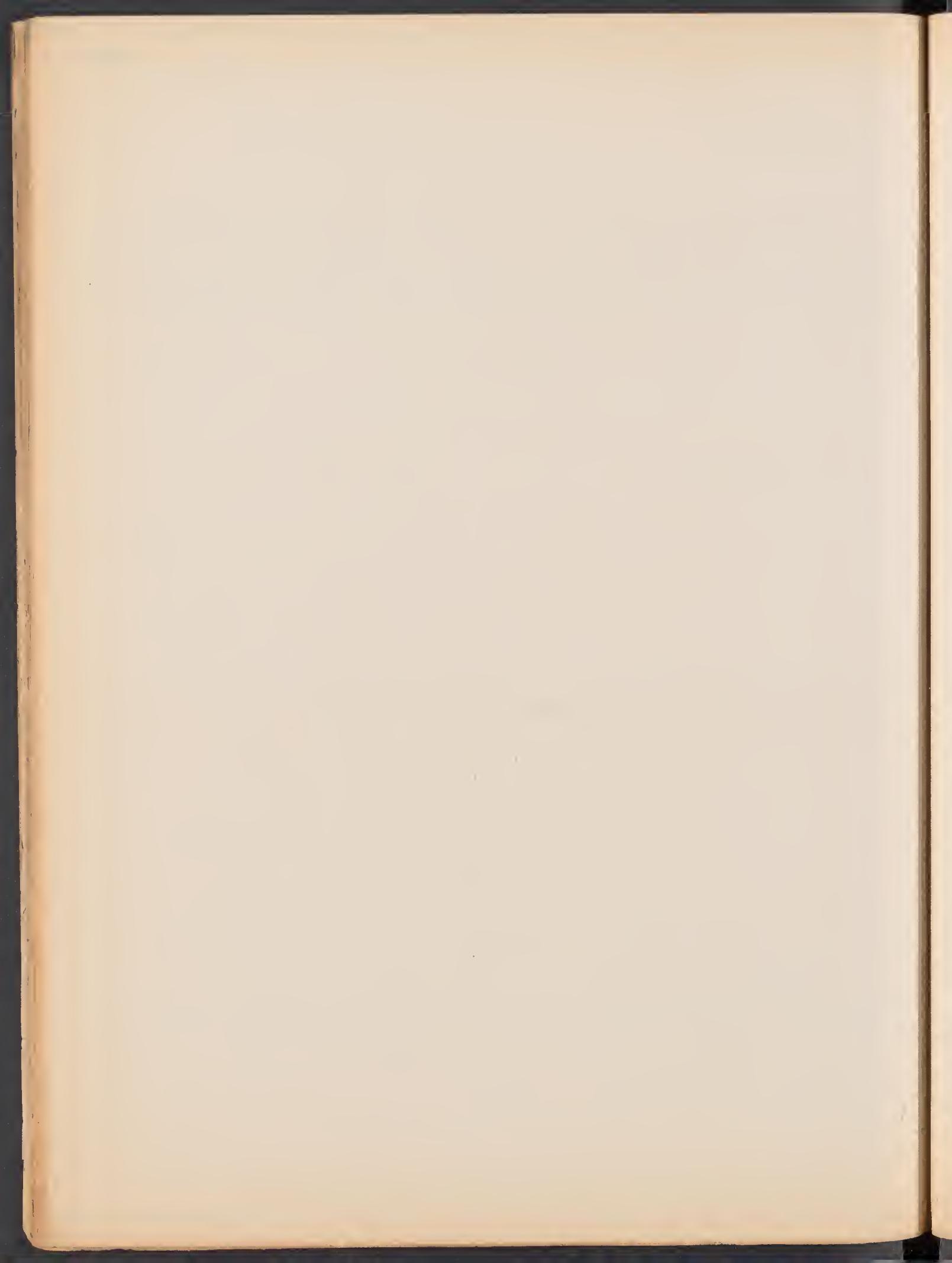
Leaves long narrow lanceolate 125 mm long widest at base
widely spreading, petioles 21 mm long, rachis 14 mm long,
lvs 10 mm wide, blades 21 mm long, thin, glaucous green, cottony fibrous.

228

Leaves long narrow lanceolate 125 mm long widest at base

229

230



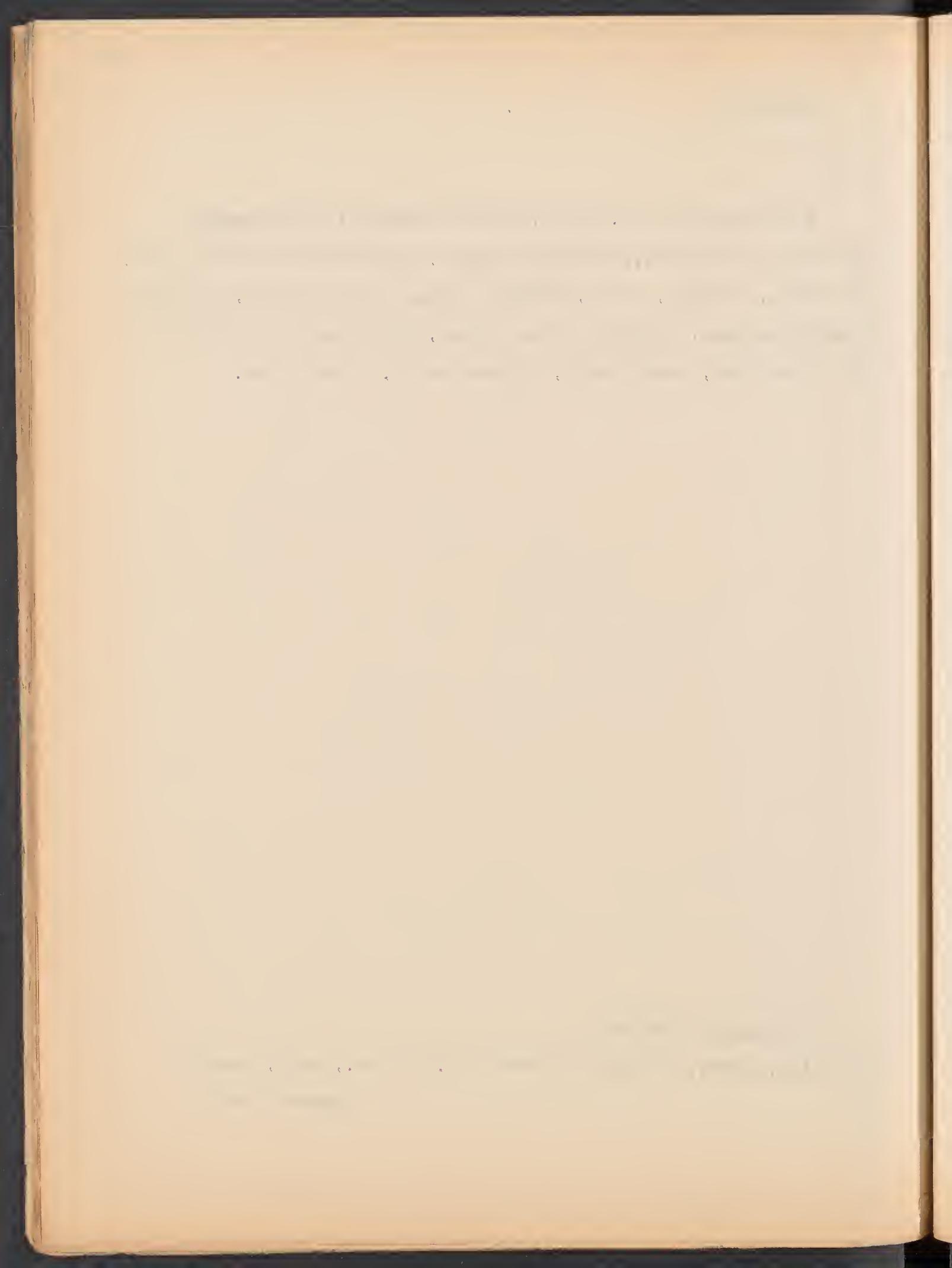
Flammula

Fileus about 1 cm. diam., xanthine-orange to zinc-orange with darker, pyramidal, fibrillose spines, depressed with broad umbo; gills broad, adnexed, close, xanthine-orange; stipe fleshy, broadening above for context, slightly hollow below, fibrillose with faint remains of cortina, zinc-orange, lighter above, 1 cm # 1 mm.

Specimens examined:

Costa Rica, Limon, Livingston Farm, Alt. 70-90 m., Catt, Dodge &

Thomas 5520



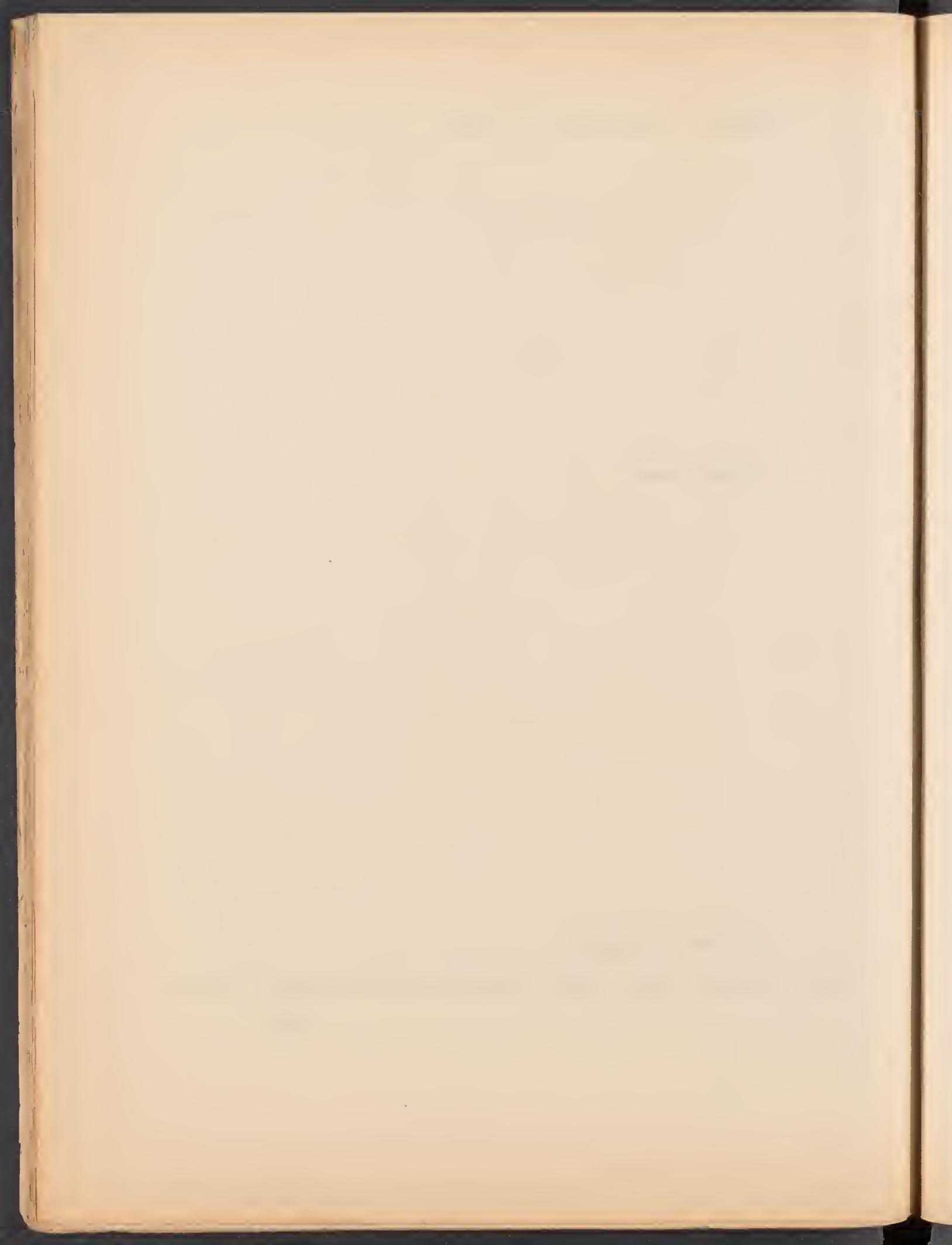
Flammula subpenetrans in Key.

On dead logs.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2150, Dodge & Thomas

5171



?Flammula

Pileus convex, margin scolloped, fibrillose, scaly, Mars yellow to Sudan brown; flesh thin; gills narrow, crowded, adnate, cadmium-yellow, spotted with chestnut where bruised; stipe concolor with gills cart., hollow, surface fibrous, tomentose.

Mossy log in potrero.

Specimens examined:

Costa Rica, San José, Rancho Redonao, lt. 2500m., Doage & Thomas

5170



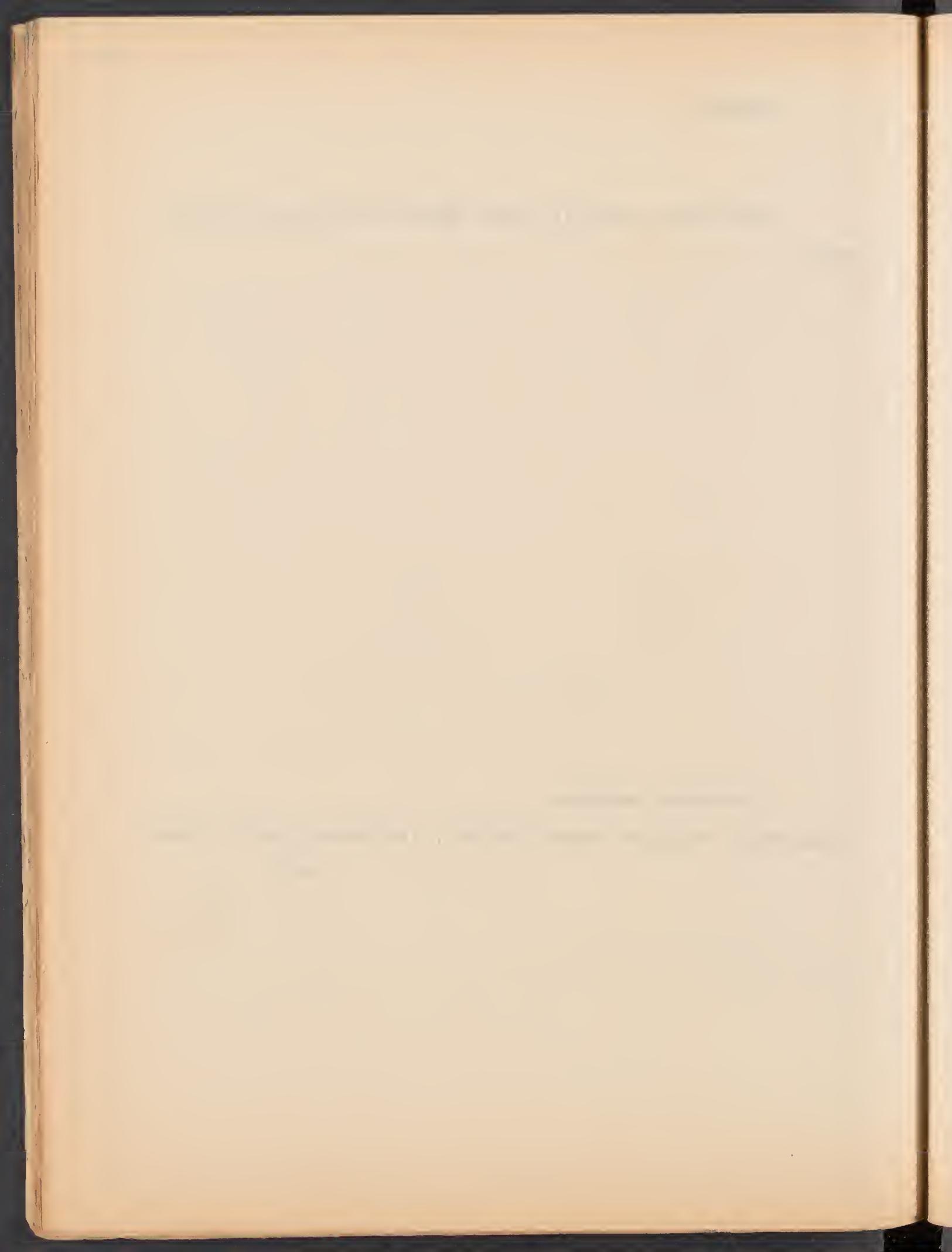
Flammula

Additional material; pileus surface verrucose, punctate,
scaly.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2400m., Doage & Thomas

5175



? Flammula

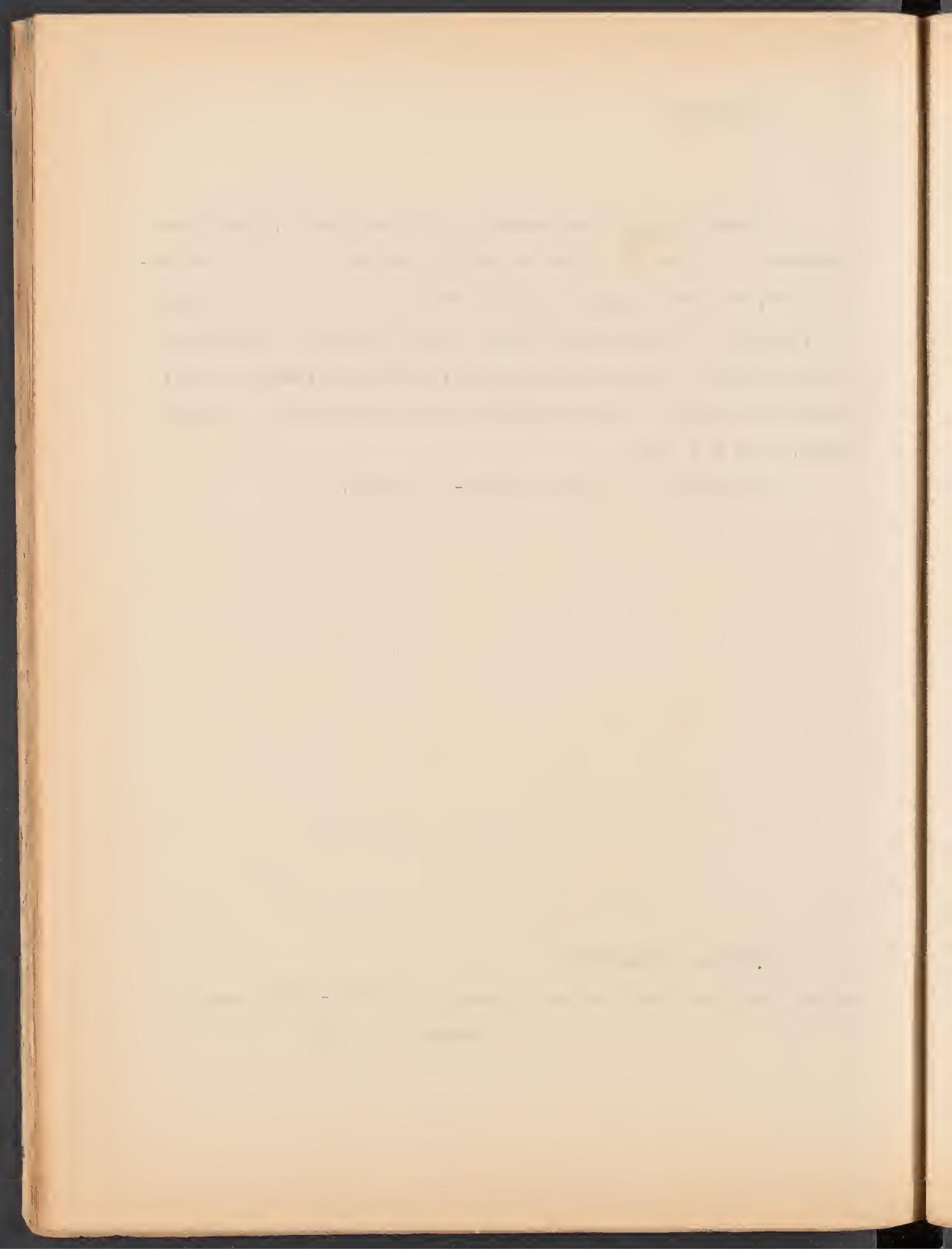
Pileus convex to expanded, up to 5 cm., innate, fibrillose, chestnut or somewhat lighter on margin, which is slightly appendiculate, not inrolled; gills adnate, broad, close, wax-yellow; flesh thin, except on disc, watery (cart?) of same texture & continuous with stem; stipe fleshy, cartilaginous, water-soaked, smooth, silky, concolor with gills above shading to color of pileus or darker below, 4 cm # 4 mm.

Mossy logs in potrero south of house.

Specimens examined:

Costa Rica, San Jose, Rancho Redonao, Alt. 2160-2180, Dodge &

Thomas 5176



Flammula near chrysotrichus B & C.

Pileus expanded, margin ~~g~~ inrolled, fibrillose, maculate, mustard-yellow with ochraceous-tawny spots, up to 2 cm. diameter; flesh medium mustard-yellow; gills close, crowded, olive-brown, adnate; stipe slender, equal 3 cm., mustard -yellow, somewhat darker in spots, very fibrillose.

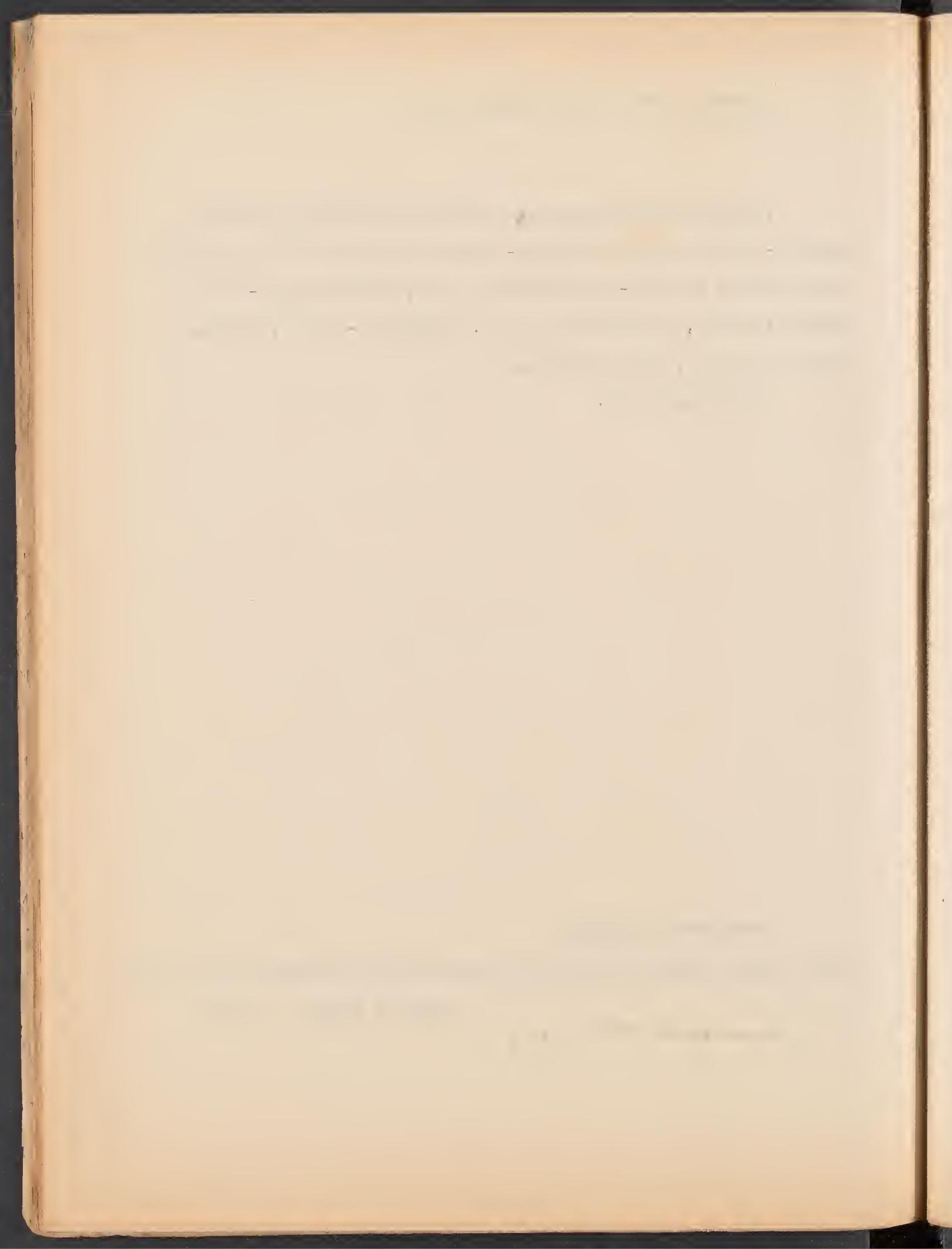
On mossy trunk.

Specimens examined:

Costa Rica, Cartago, Finca Coliblanco above Capelladas, Alt. 1980m.

Dodge & Thomas 4642

Simon: Marta, Dodge 7233



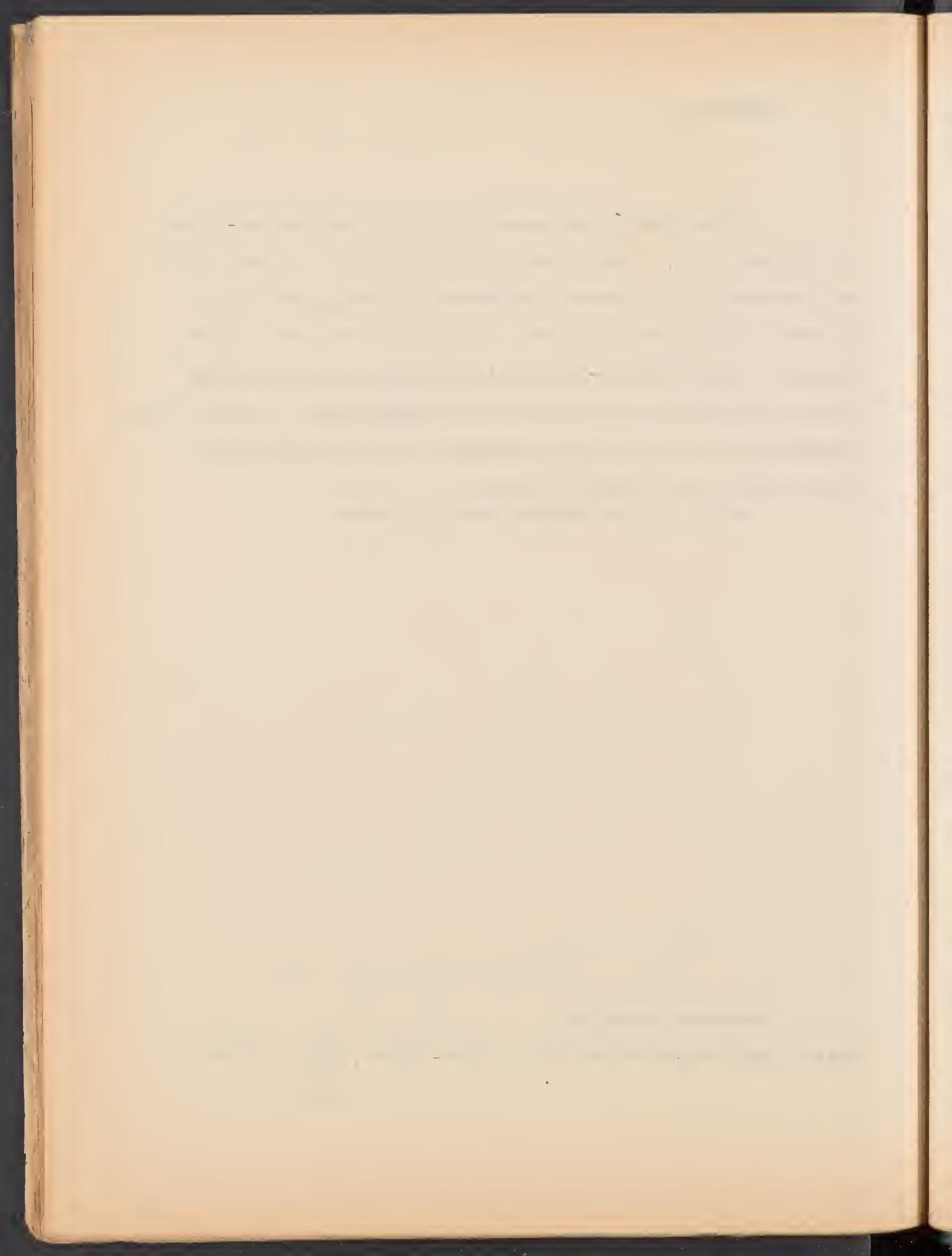
?Flammula

Pileus flat or expanded, fibrillose, scaly, amber-brown or lighter, 4 cm.; flesh, fleshy, spongy, light-yellow when first cut, darkening on exposure, membranous on margin, gradually thicker to disc continuous with stipe, which may be hollow, stuffed; gills antimony-yellow, zinc-orange, adnate, margin of pileus not appendiculate; stipe more fibrous & fleshy 3.5 cm # 5 mm. coarsely fibrillose, striate, darkening on handling, conc. with gills above 5 mm. rest conc. pileus

Mossy logs in potrero south of house.

Specimens examined:

Costa Rica, Rancho Redondo, Alt. 2160-2180m., Dodge & Thomas

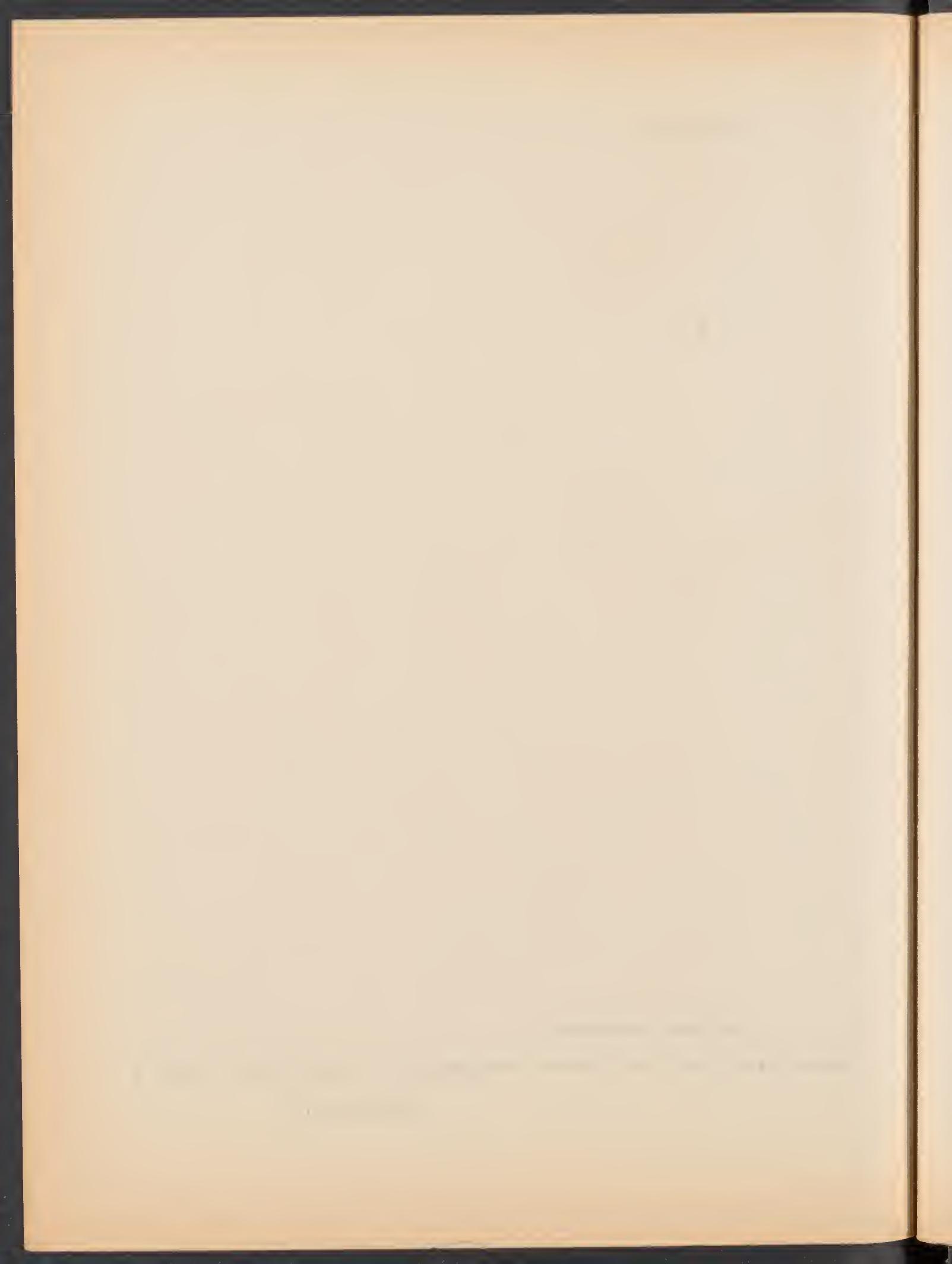


? Flammula

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2150-2550m., Dodge &

Thomas 5178



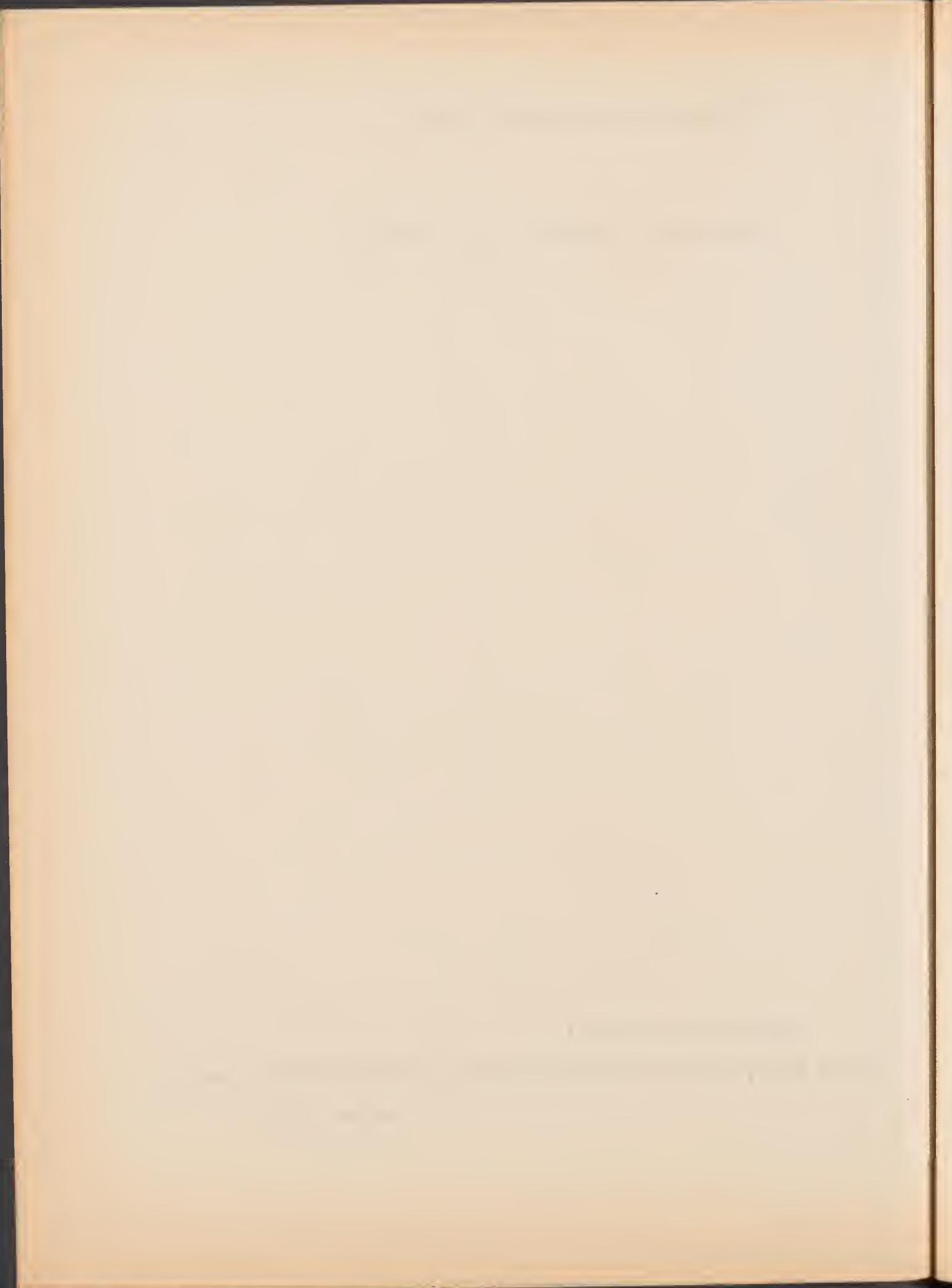
Flammula chrysotrichoides in Key

Dead wood in potrero south of house

Specimens examined:

Costa Rica, San Jose, Rancho Redonao, Alt. 2160-2180, Dodge &

Thomas 5175



Flammula

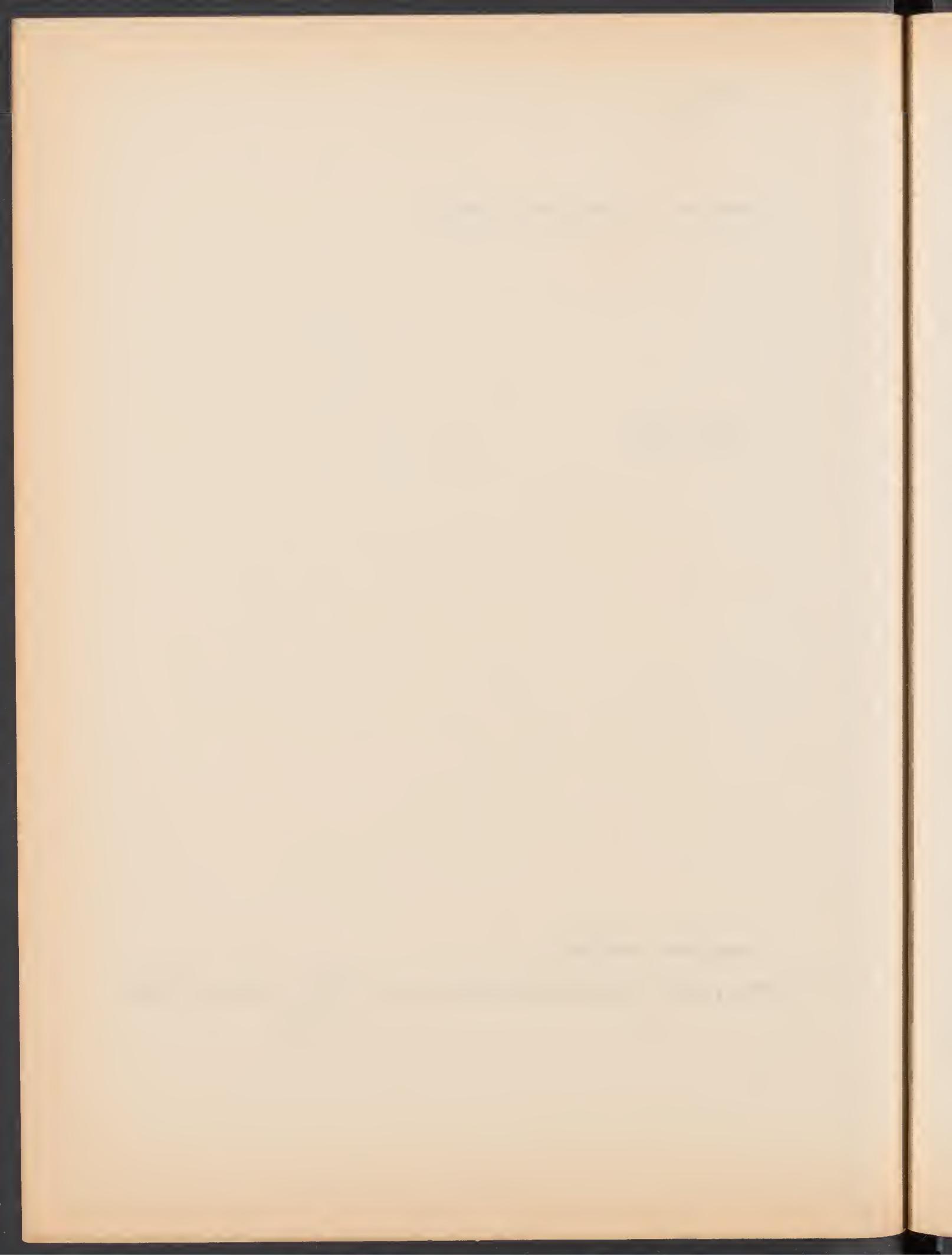
Similar to specimens of Nov. 6

Dead logs.

Specimens examined:

Costa Rica, San JOse, Rancho Redondo, Alt. 2400m., Dodge & Thomas

5180



? Flammula

Pileus convex, margins inrolled, habit of Lactarius, surface innate, fibrillose, scaly, up to 8 cm. diameter, variegated cinnamon-brown & ochraceous-tawny, darker where bruised; flesh thick; gills close, adnate, decurrent by line, yellow, Sandford's brown when bruised; gills narrow, primuline; stipe 25 cm. # 5 mm. diameter, ^{yellow} fibrillose, fleshy but slightly hollow, fibrillose without Sandford brown on a primuline yellow, smooth ground: flesh darkening to ochraceous-tawny on exposure to air.

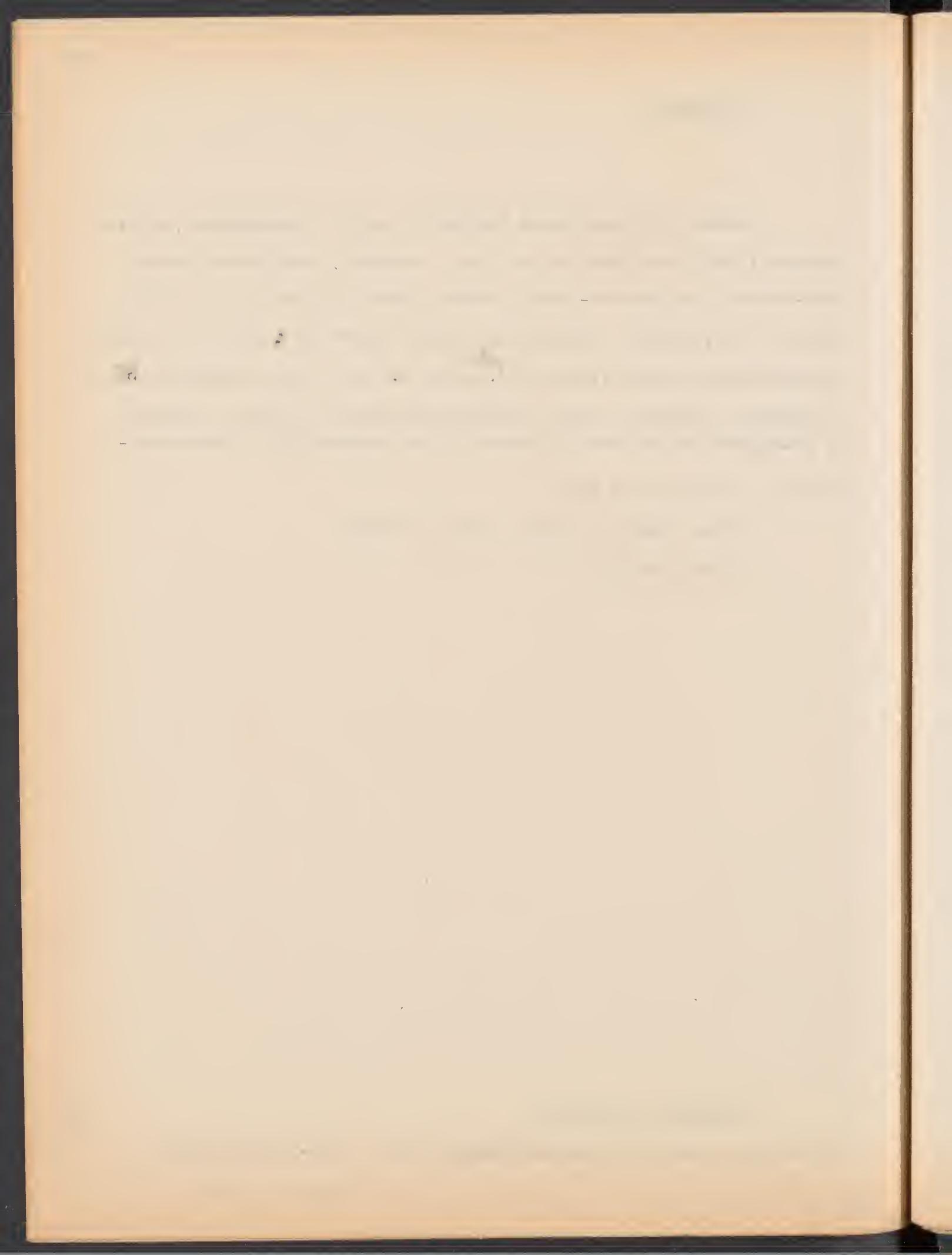
Mossy logs in potero south of house.

Rancho Redondo

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160-2180m., Dodge &

Thomas 5177



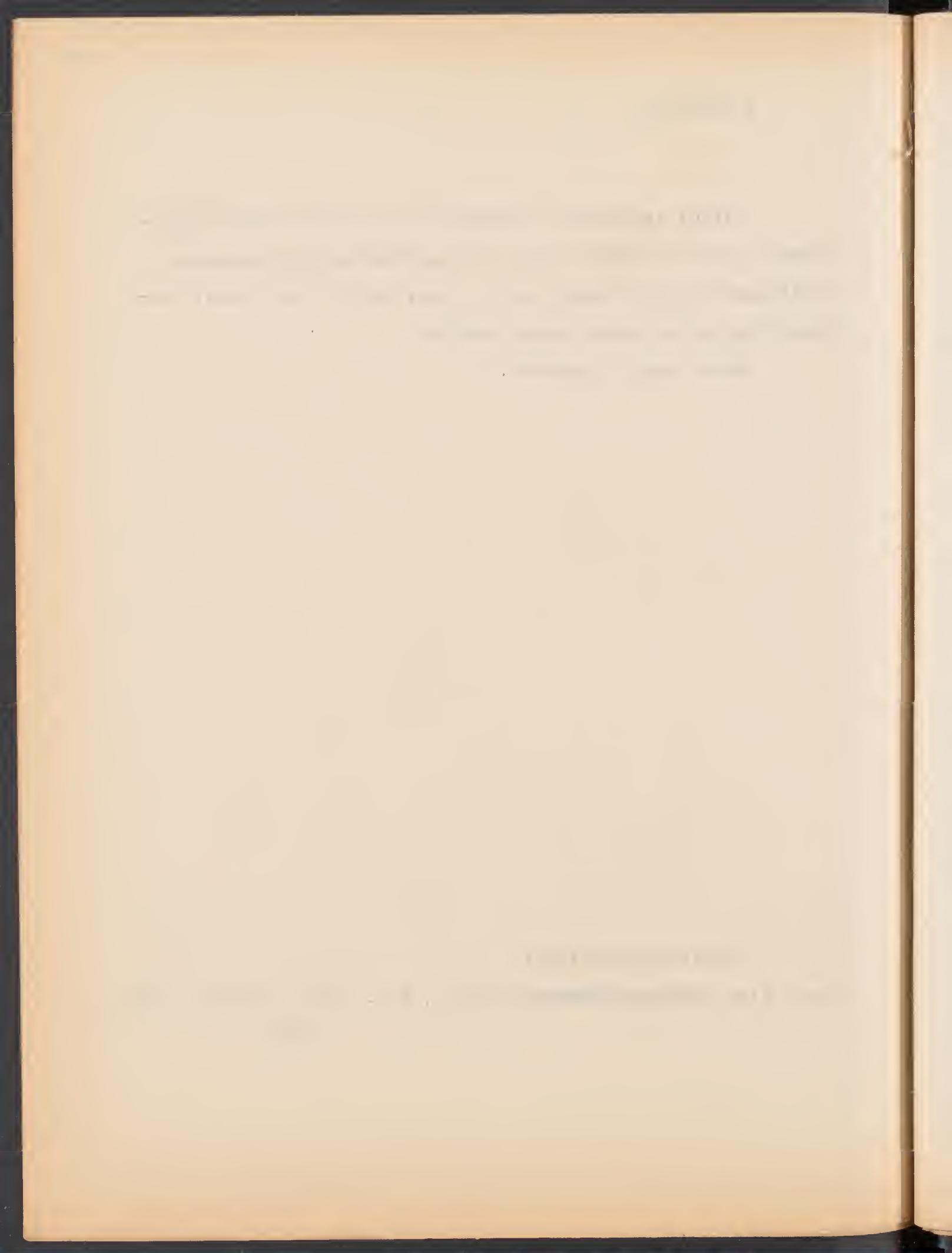
? Flammula

Pileus irregularly expanded up to 5 cm., surface hygrophanous, scaly, auburn; gills close, subdistant, wide, sinuate, adnate, Mars yellow; stipe 2 cm. # 7 mm. above, 5 mm. below, concolor with gills darker where handled.

Mossy logs in potrero.

Specimens examined:

Costa Rica, San José, Rancho Reondo, Alt. 2250m., Dodge & Thomas



Flammula C

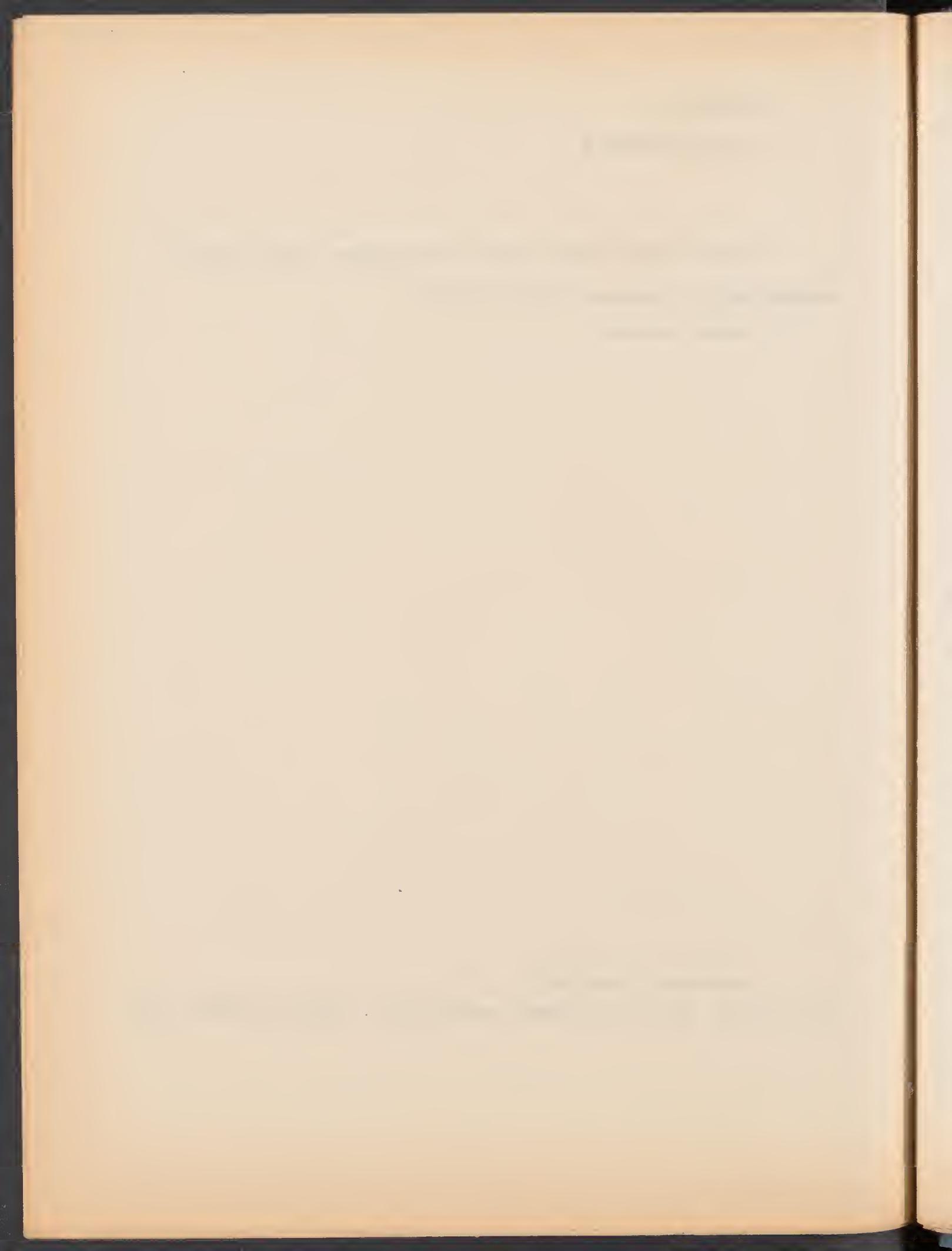
(See painting Ø

Color lighter; flesh only on disc; stipe long, slender;
pileus convex, pyramidal tufts of hairs.

South Potrero.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2150m., Dodge 5012



Flammula B
(Seepainting)

Pileus flat, subtomentose, fibrillose; flesh all the way to margin; stipe silky, fibrillose.

Potrero south of house.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2150 m, Dodge 5225



Flammula ♀

(See painting)

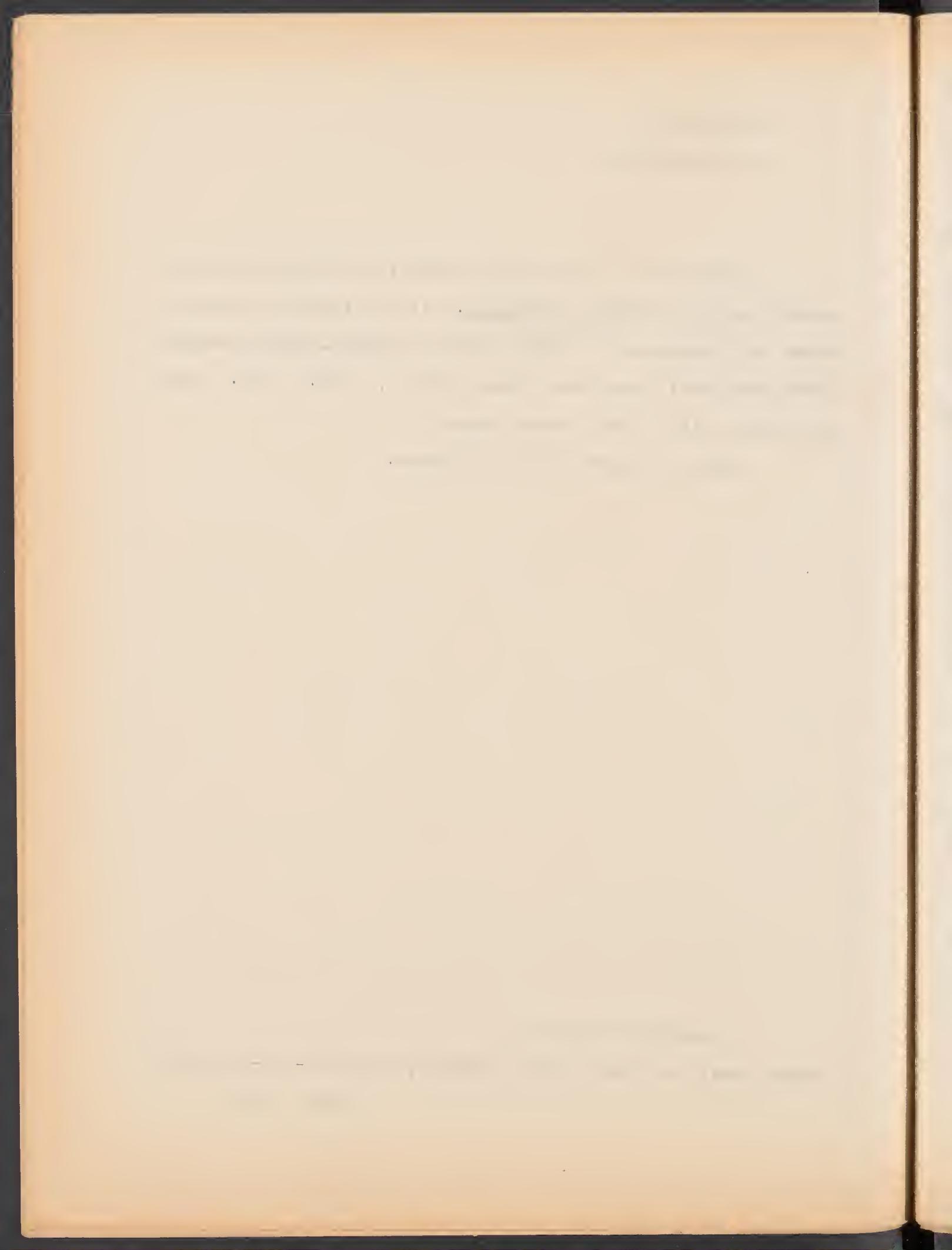
Pileus up to 4 cm. diam., convex, raw sienna, velvety, minute warts like Elaph. variegat. with shining dark apex; stipe cartilaginous not continuous with flesh, slender, surface tomentose, fibrillose darker than pileus, 4 cm. # 5 mm.; flesh very thin; gills free, close, broad.

Logs in potrero south of house.

Specimens examined:

Costa Rica, San Jose, Rancho Reaondo, Alt. 2160-2180, Dodge &

Thomas 5181



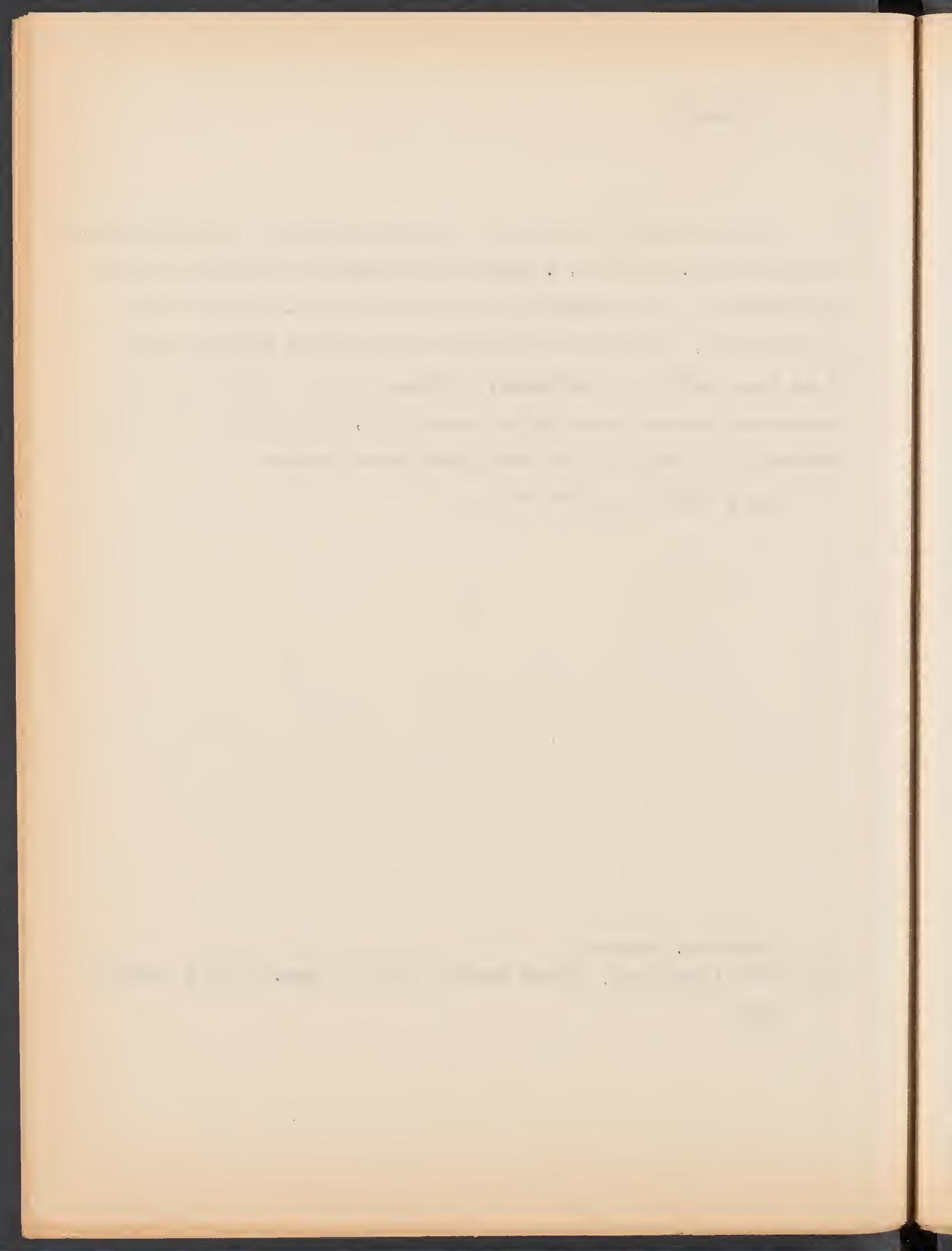
Flammula

Pileus conical to applanate, broadly umbonate, innate fibrillos
scaly up to 5.5 cm diam, ♀ russet disc shading to antimony yellow
bay maculate; flesh antimony yellow thick on disc, otherwise thin
gills adnate, broad close antimony yellow; stipe ~~mfleshy~~ 3 cm x
7 mm tapering slightly downward, pruinose spotted with traces of
evanescent annulus about 3 $\frac{1}{2}$ mm below gills, silky fibrillose white
darkening to tough; gills ferruginous where wounded

Mossy long in potrero 2400 m

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2400 m ~~Hood~~ Dodge & Thomas
5021



Flammula A

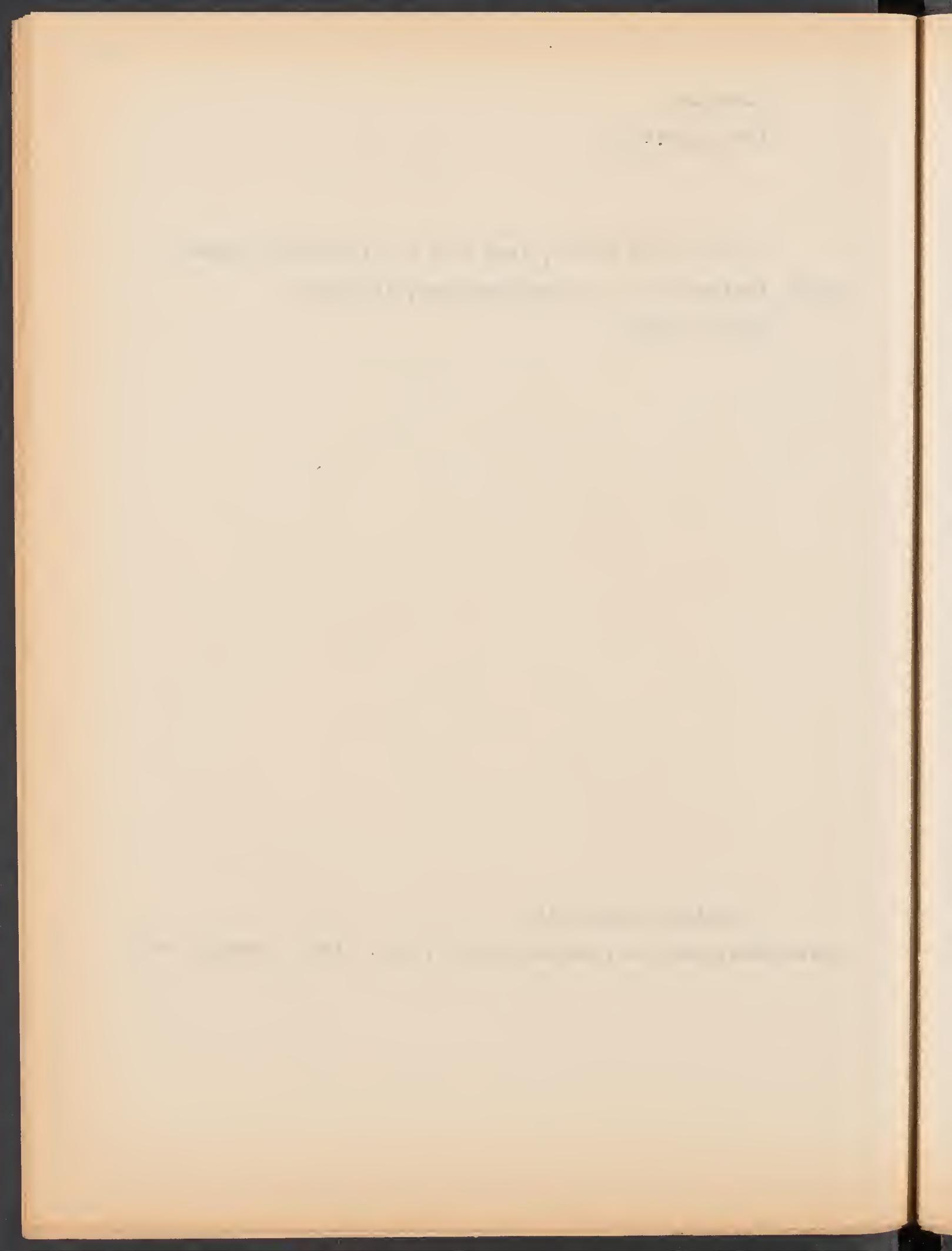
(See painting)

Pileus color darker, flesh only on disc; stipe slender & short, hemispheric to convex, tomentose, fibrillose.

South potrero.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2150 m., Dodge 5012



Flammula

Pileus scaly (See previous collection)

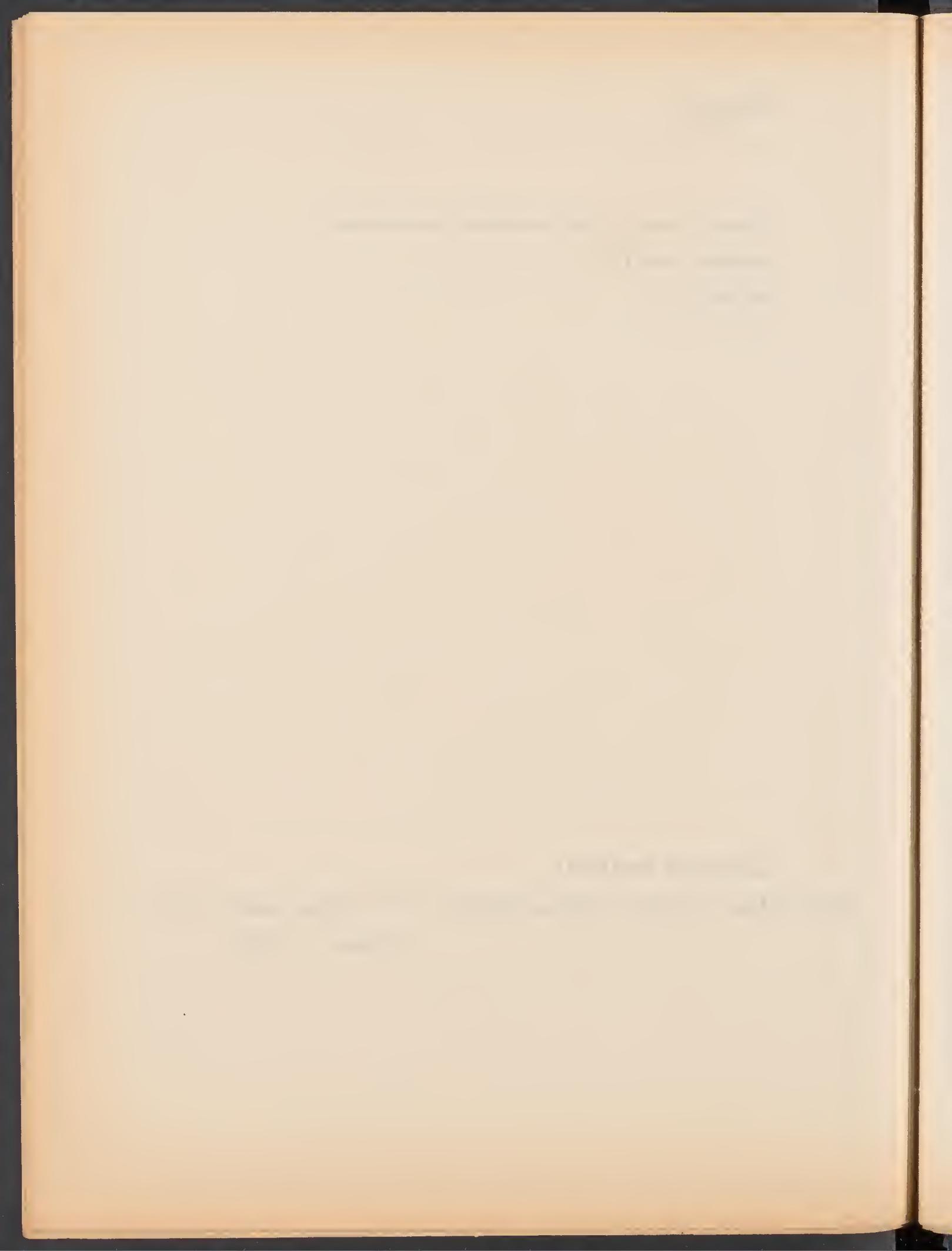
General locality

Rotten log

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2400m, Dodge & Dode

Thomas 5226



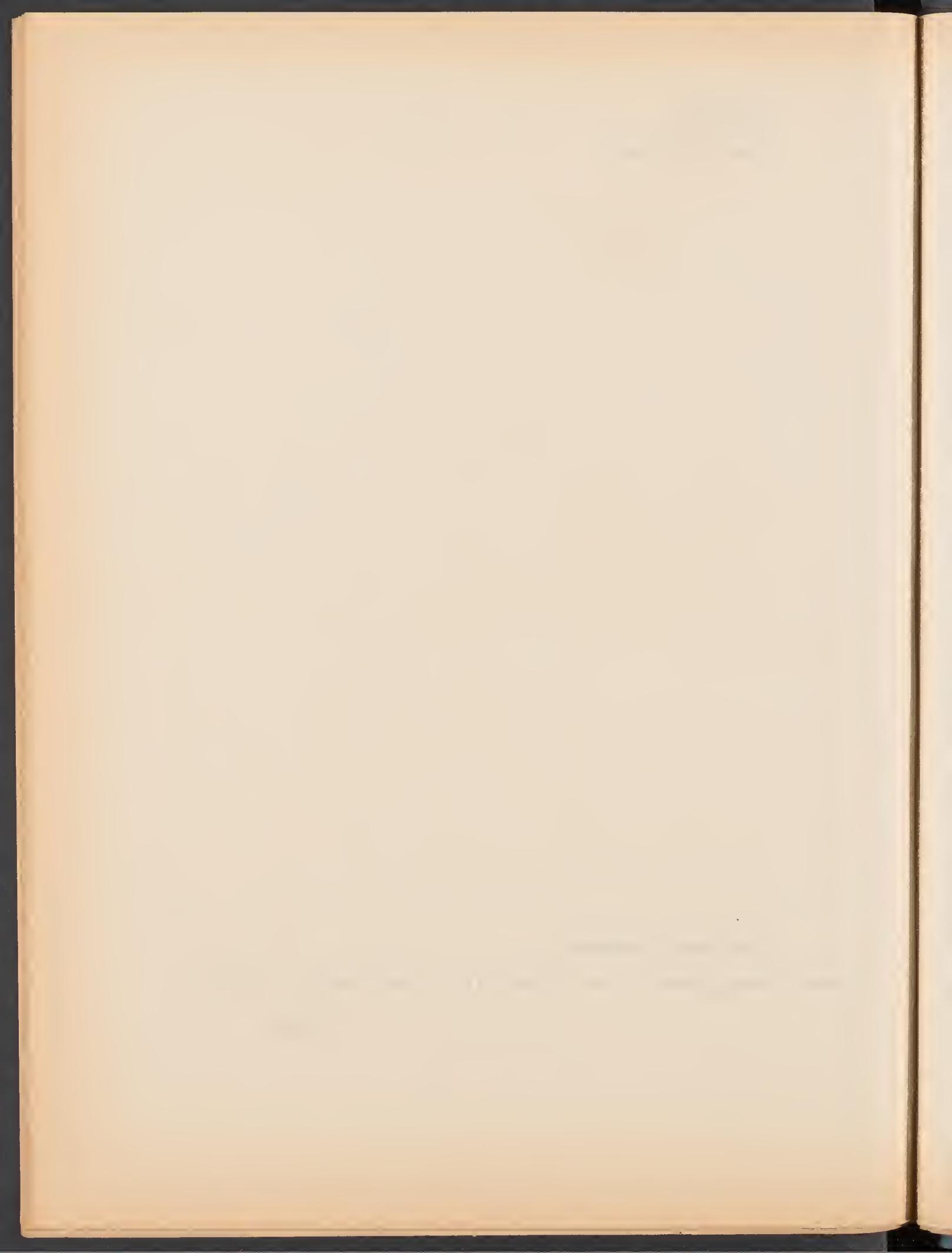
Flammula

(See painting)

Specimens examined:

Costa Rica, Aljuela, San Isidro, Alt. 1500m., Dodge & Valerio

4756



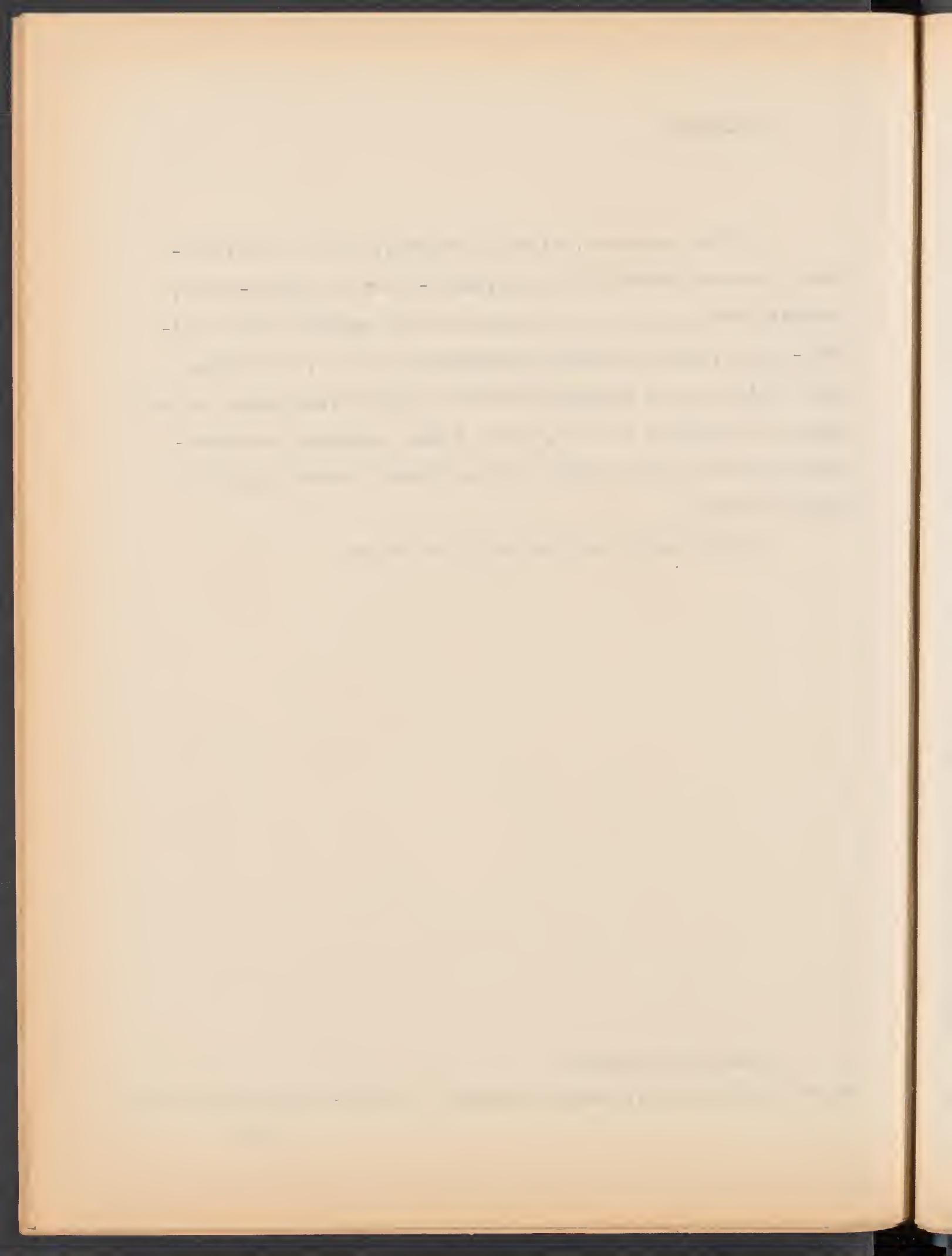
?Lammula

Pileus expanded, slightly umbonate, up to 4.5 cm., surface glabrous, innate, fibrillose, amber-brown to antique-brown, becoming Mars yellow to raw sienna toward margins; flesh antimony-yellow, fleshy, subcartilaginous next gills, continuous with stipe; gills sinuate, adnexed to almost free, broad, close, tawny; stipe short & stout, 18 mm. & 6mm. tomentose, antimony-yellow, becoming tawny where bruised, fleshy subcartilaginous, hollow, stuffed.

Mossy logs in potrero south of house.

Specimens examined:

Costa Rica, San Jose, Rancho Reaonao, Alt. 2160-2180m. Dodge & Thomas



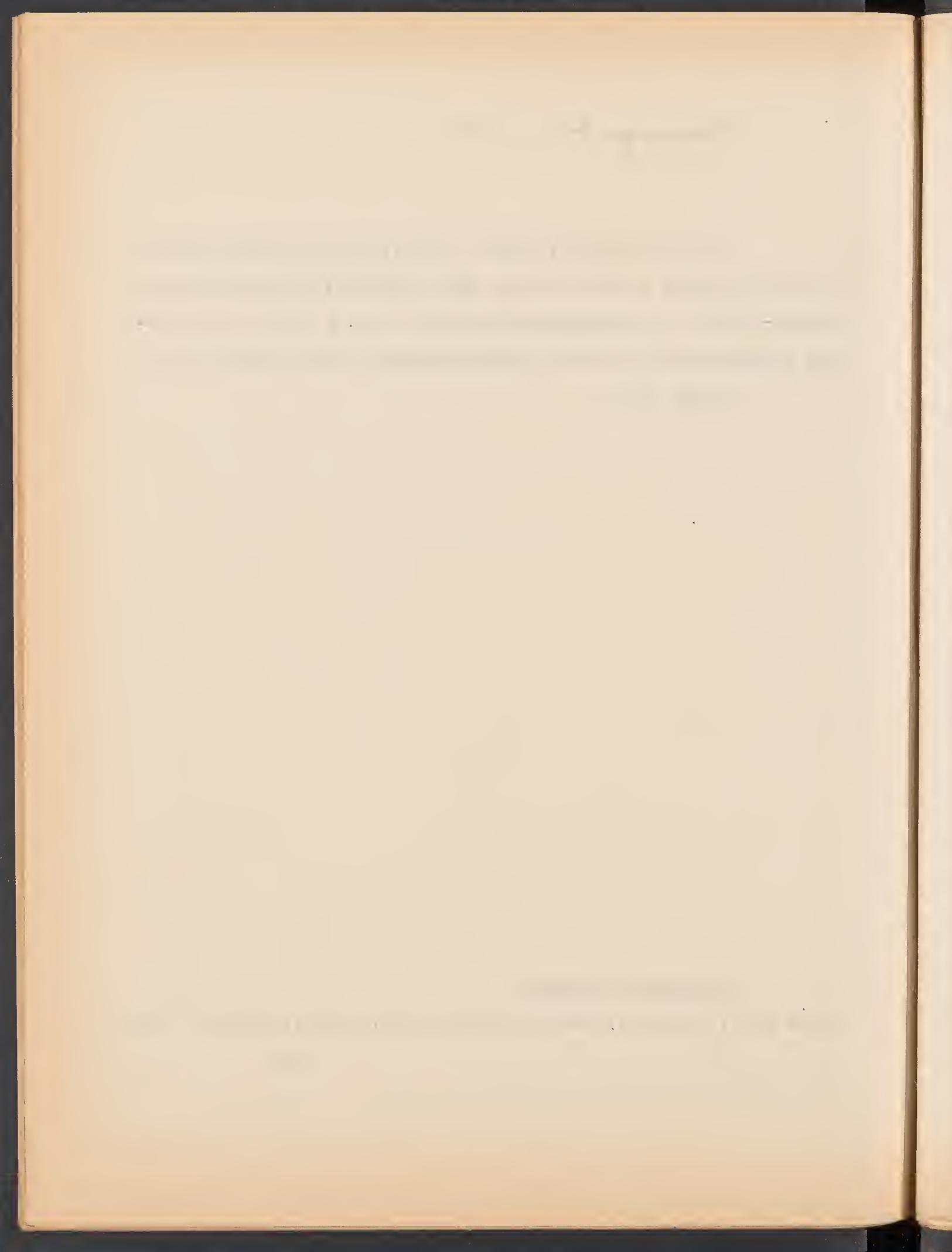
?*Fiammula penetrans* Miy

Pileus expanded, convex 3.3cm., surface wrinkled, scaly, fibrillose, tawny to Mars brown; gills sinuate, ventricose, close, yellow-ochre to ochraceous-tawny; stipe 3 cm. # 5 mm. not tapering surface, fleshy striate, fibrous, concolor above, darker below.

Mossy logs.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250m., Dodge & Thomas



Flammula

pilei cespitose conic to nearly plane, 1.6 cm diam, flesh thin except on disc, innately fibrillose, disc yellow ochre shading to mustard yellow margin inrolled; gills broad, close, adnate to slightly decurrent, brown; stipe smooth concolorous, slightly sulcate in young specimens, 2 cm x 2 mm

Decaying wood

Costa Rica:Limon, Marta 20 m, Dodge 7233

62

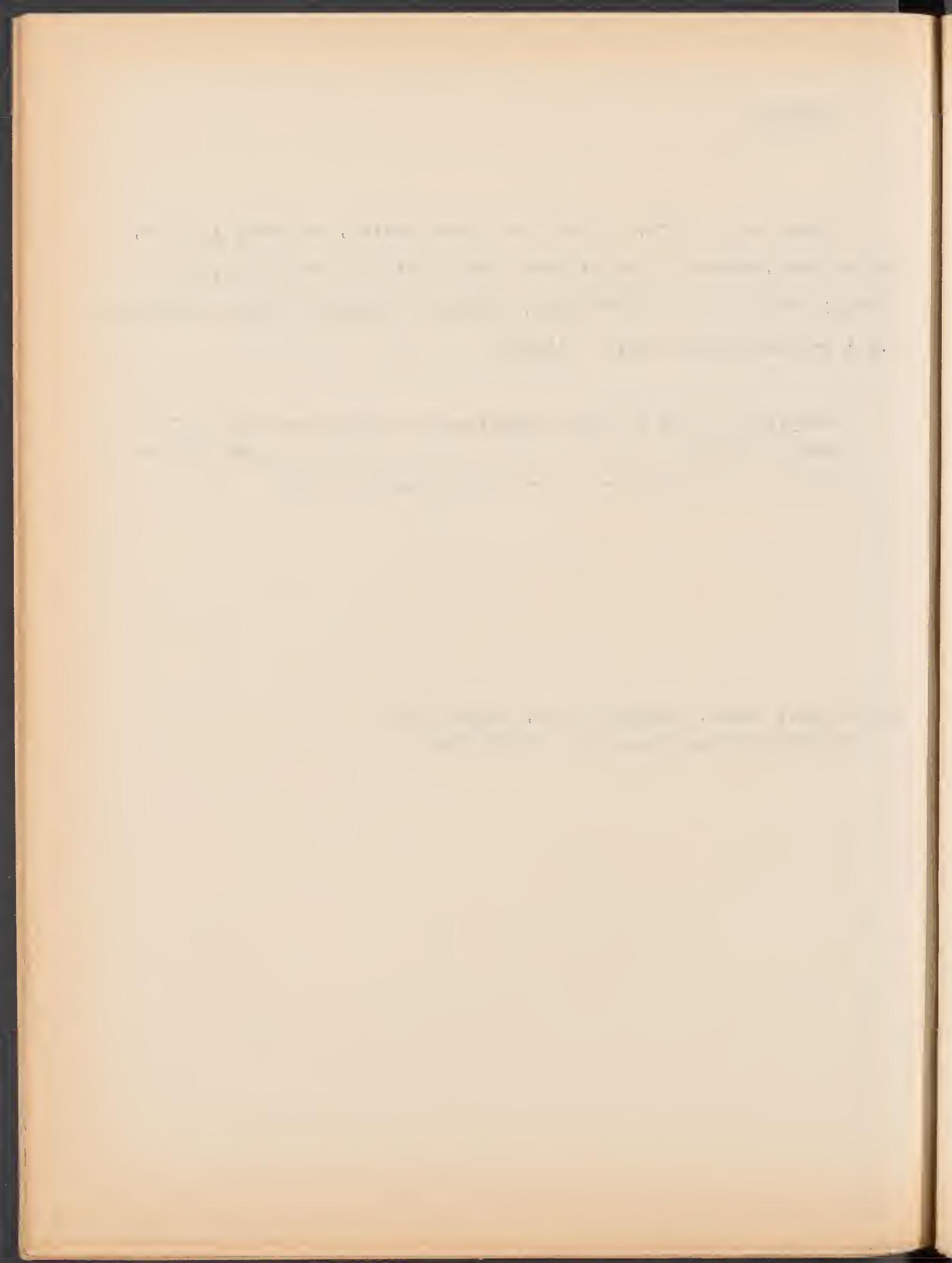
C

Flammula

Pileus up to 4 cm, sparsely aculeate scaly, antimony gray yellow, margin thin, smooth; gills sinuate adnate, close, ventricose, zinc orange; stipe striate fibrillose, equal or tapering slightly downward 4.5 x 4-3 mm, zinc orange or lighter

Decaying g frond of swamp palm (7308) charred decaying log in banana
No 7667 slightly umbonate in younger specimens color often more
ochraceous from spores carried up by convection currents.

Costa Rica: Limon, Castilla 20 m, Dodge 7308.
Puntarenas, Puerto Jimenez 10 m Dodge 7667

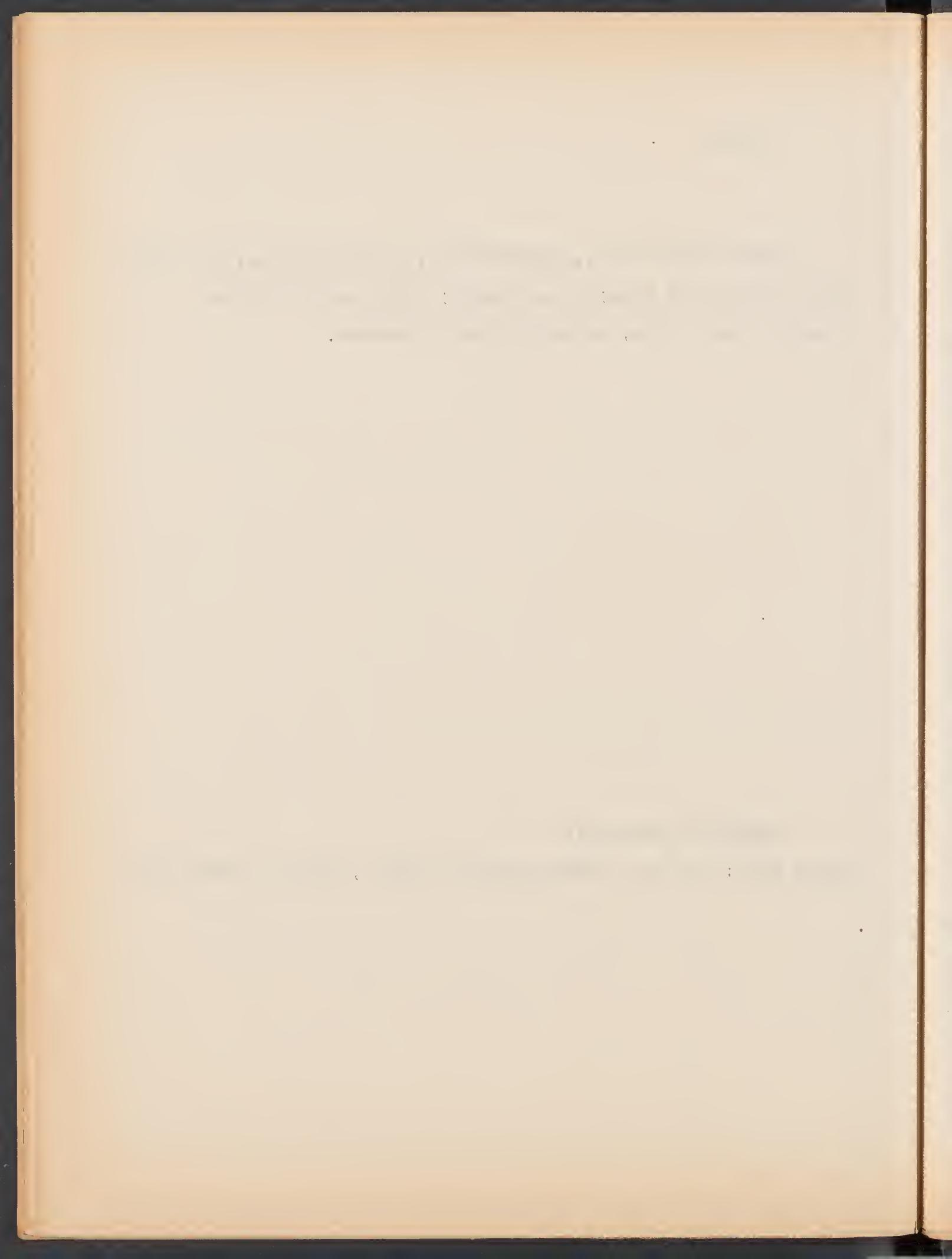


Galera

Pileus campanulate, hygrophanous, Brussels brown, with antimony yellow disc 6 mm; gills adnate; stipe cartilaginous slender 2 cm x 1 mm, brussels brown or darker.

SPecimens examined:

Costa Rica: San Jose, Rancho Redondo 2200 m, Dodge & Thomas 5107



Galera

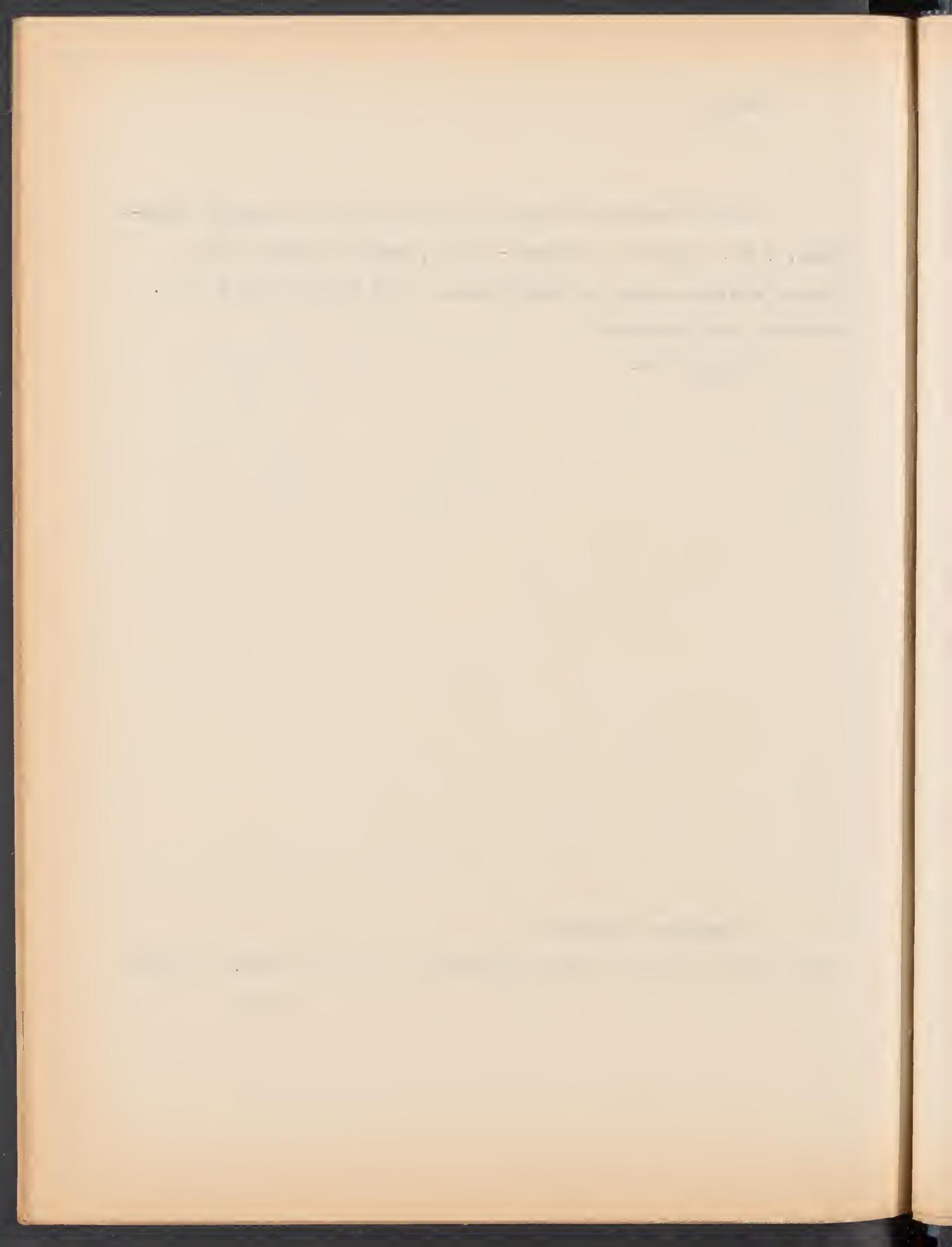
Pileus campanulate, margin striate, surface minutely tomentose, 7 mm. diameter, antimony-yellow, margin russet; gills broad, distant, adnate, consolorous; stipe slender, 20 # 1 mm. concolor cartilaginous.

Mossy bank.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2100 m., Dodge & Thomas

5350



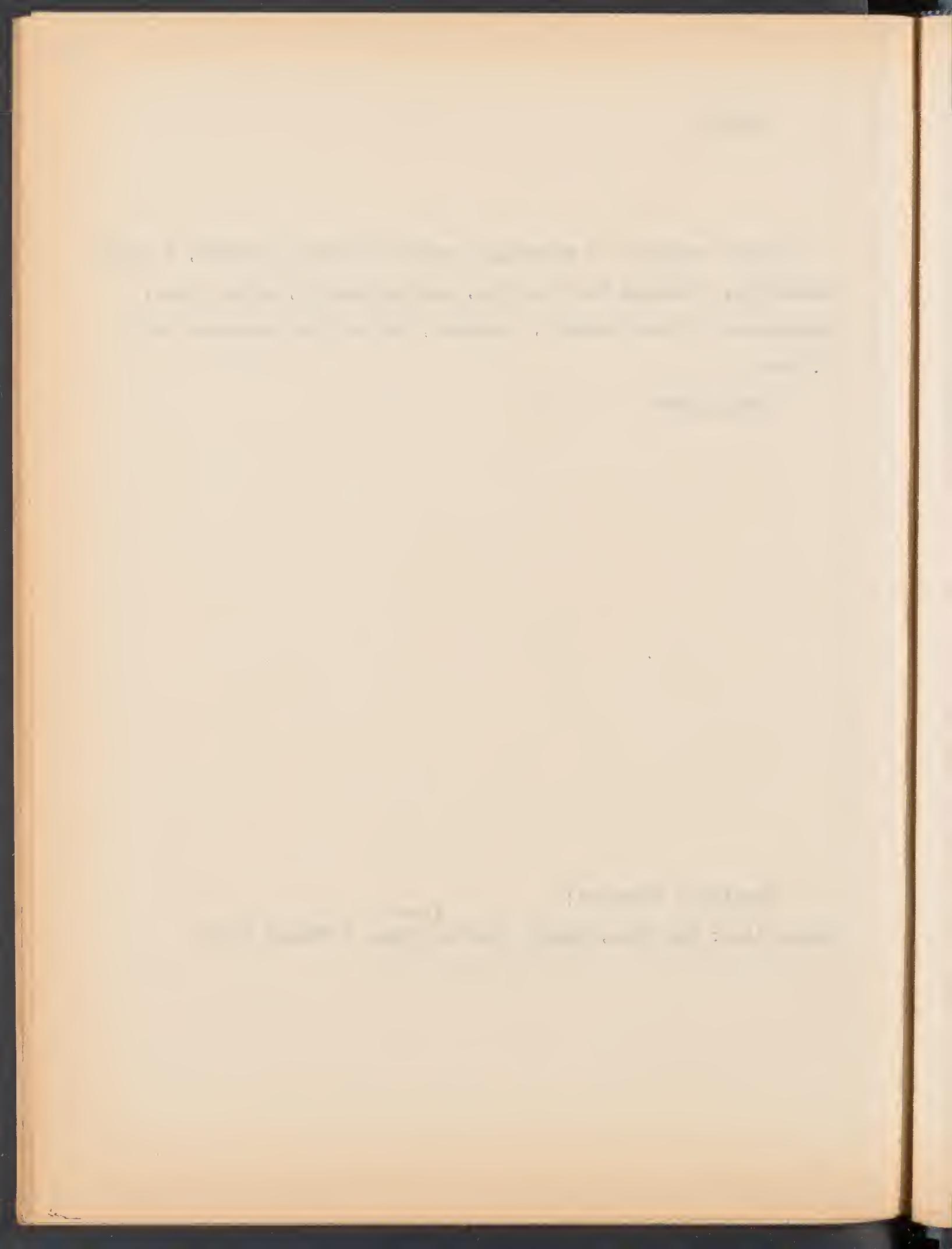
Galera

Piles expanded, 7 mm margin shortly dentate lacerate, velvety tomentose, cinnamon buff on disc, margin lighter; gills close, ventricose, sinuate adnate, concolor, stipe silky concolor 20 x 0.7 mm

Mossy bank on roadside

Specimens examined:

Costa Rica: San Jose, Rancho Redondo Dodge & Thomas 5377
Quayabillos, 2100m Dodge + Goering July 9.

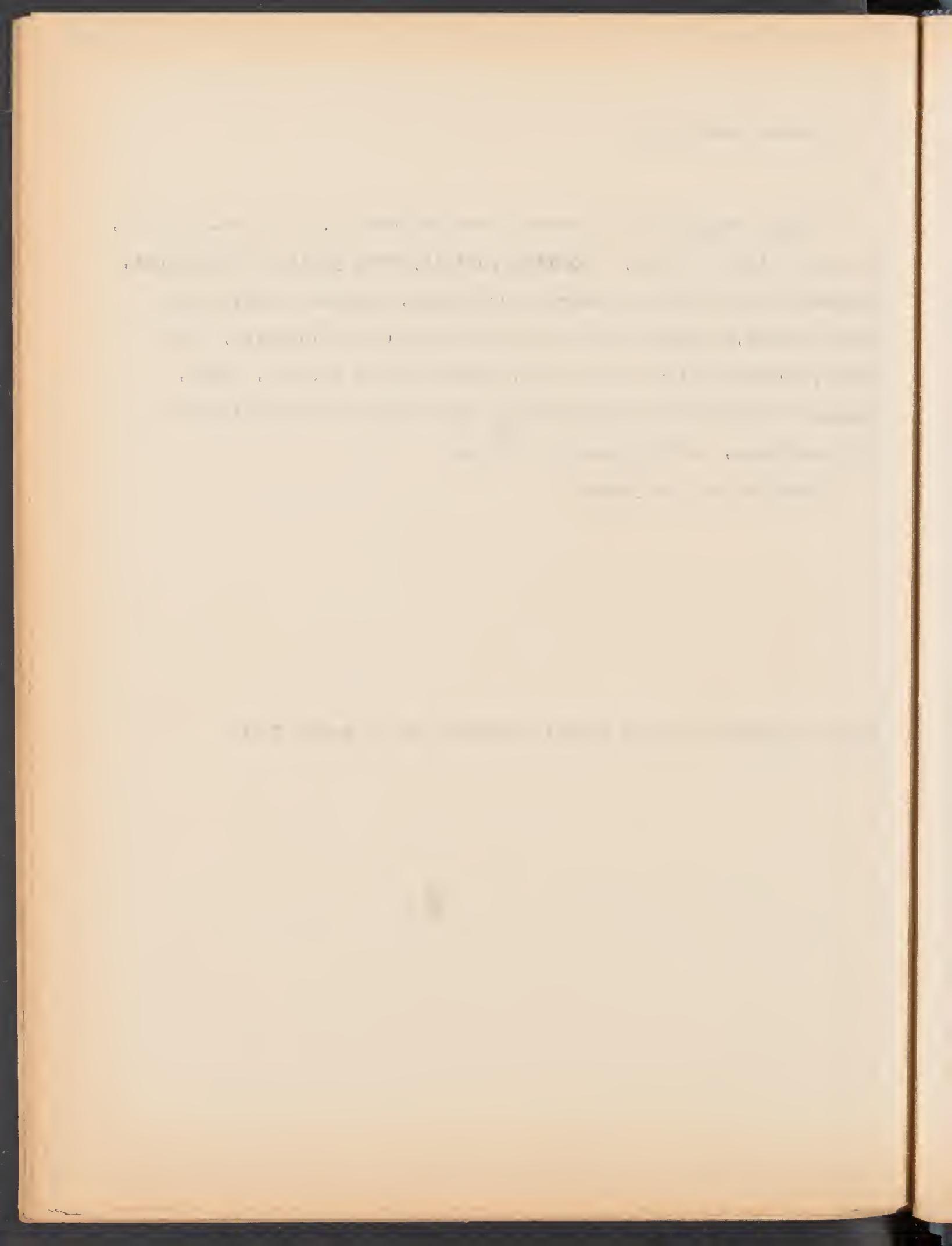


Galera near Hypni

Pileus campanulate to convex when expanded 2.2 cm diam, velvety, deeply striate to disc, cracking radially over gills as in Hiatula, cinnamon disc shading to ochraceous orange, margins flesh, lighter along cracks, margin thin as in Coprinus but not inrolled; gills brown, medium distance and width, adnate; stipe slender, silky, nearly white above to ochraceous orange below and subavellaneous in old specimens, cartilaginous $\frac{X}{3}$ cm 3 mm

Decaying log in jungle

Costa Rica:Limon, hills opposite Hamburg 40 m, Dodge 7314



Galera

Psathyra

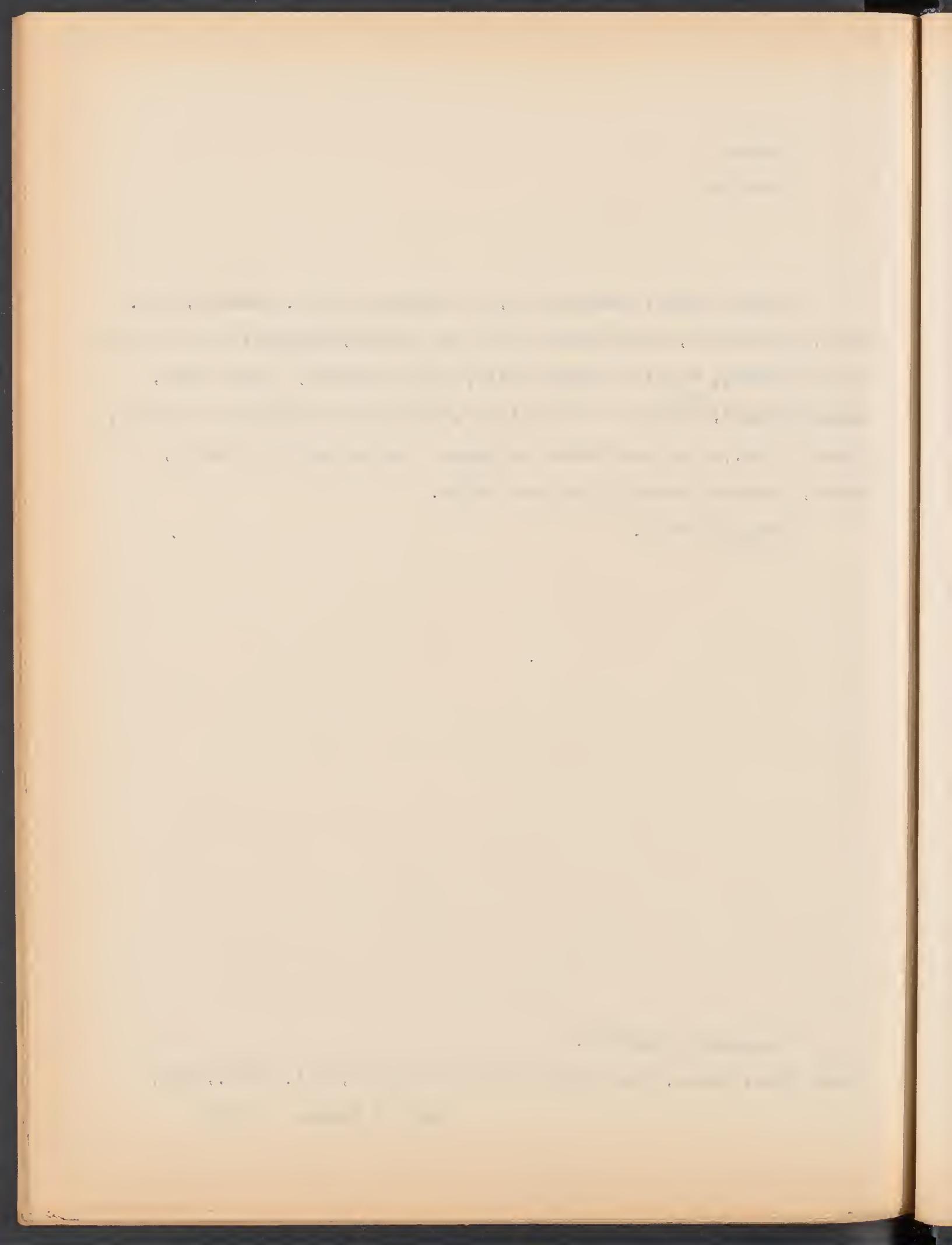
Pileus conic, campanulate, not umbonate, 12 mm. diameter, 9 mm. high, substriate, mummy-brown with long slender, pyramidal spines over whole surface, margin appendiculate; gills crowded, quite thick, edges adnexed; slender cartilaginous, white with dark-brown fibrils, 2 cm # 1 mm., often stellately arranged (universal veil) above, white, pruinose where gills join stipe.

Decaying wood.

Specimens examined:

Costa Rica, Limon, Rose Hill above Rio Pacuare, Alt. 100m., Catt,

Dodge & Thomas 5516



Galera ?

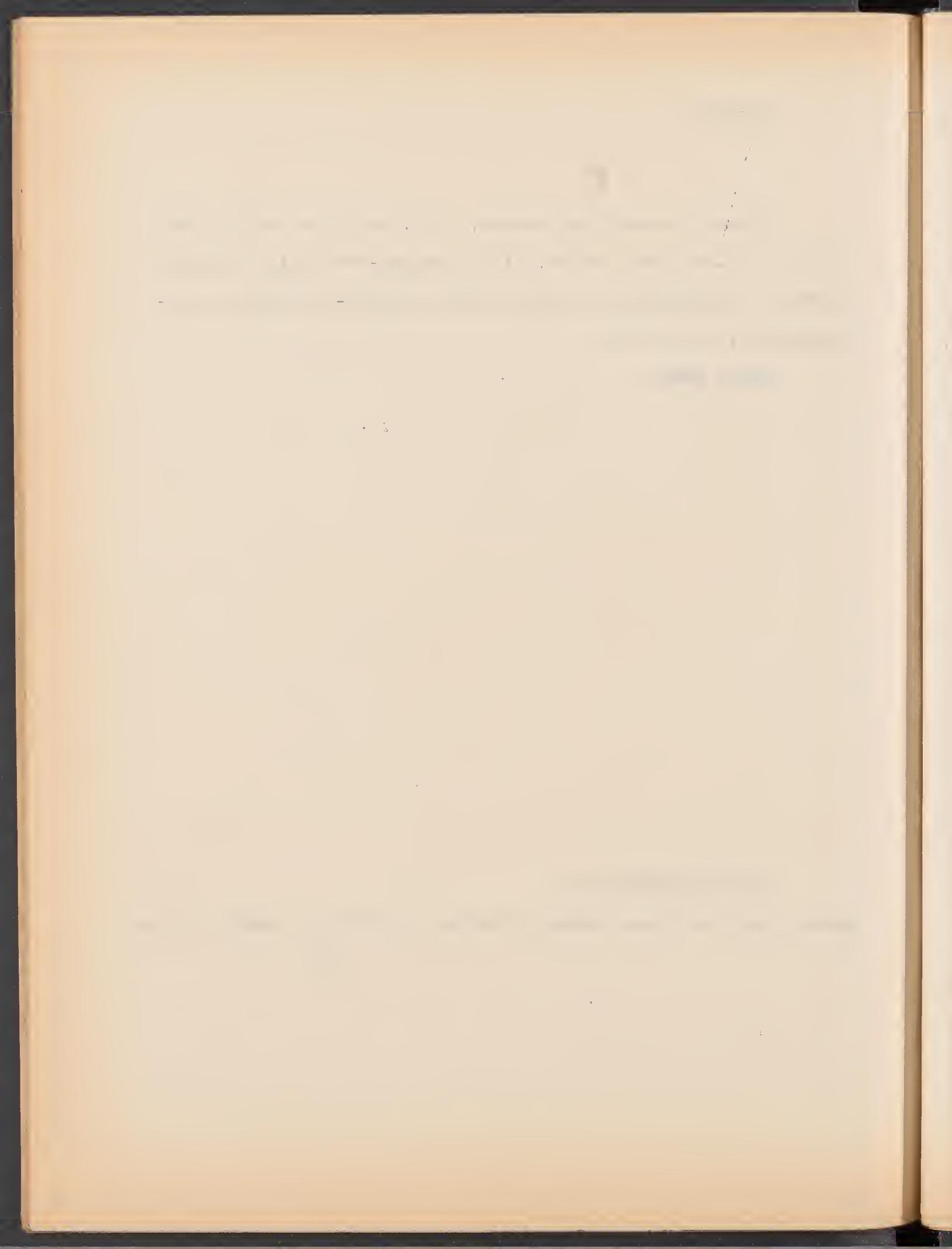
Pileus convex, hygrophanous, 7 mm., pruinose, margin very faintly striate, clay color, disc cinnamon-buff; gills broad, adnexed, cinnamon-buff, close; stipe cinnamon-buff, silky, cartilaginous, 15 # 1 mm.

Mossy bank.

Specimen examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2140 m., Dodge & Thomas

5349



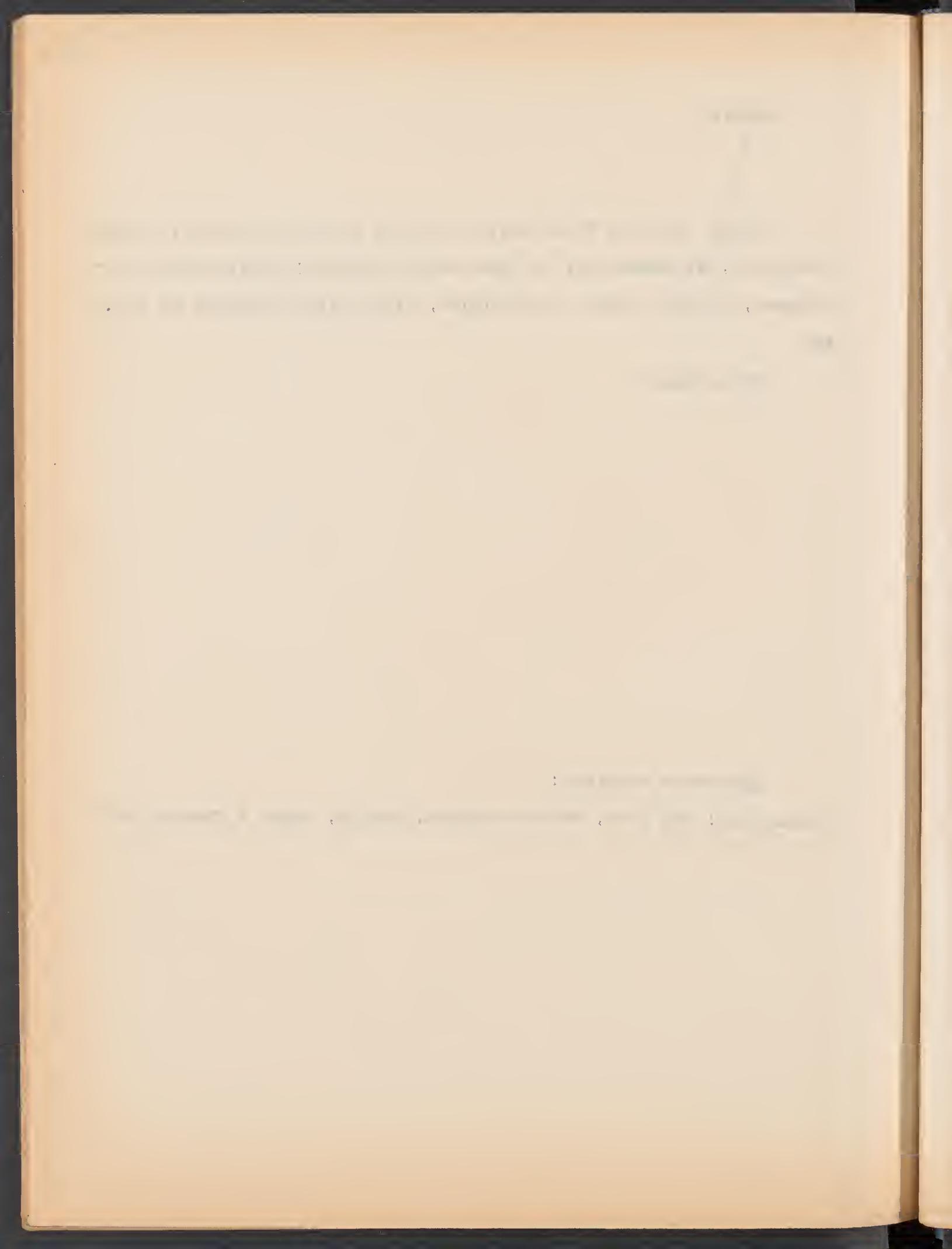
Galera

Pileus expanded 7 mm, margin shortly dentate lacerate, velvety tomentose, cinnamon buff on disc margin lighter; gills close, ventricose, sinuate adnate concolorous; stipe silky concolor 20 x 0.7 mm

Mossy bank

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2100 m, Dodge & Thomas 5377



Hebe
~~xxix~~uloma

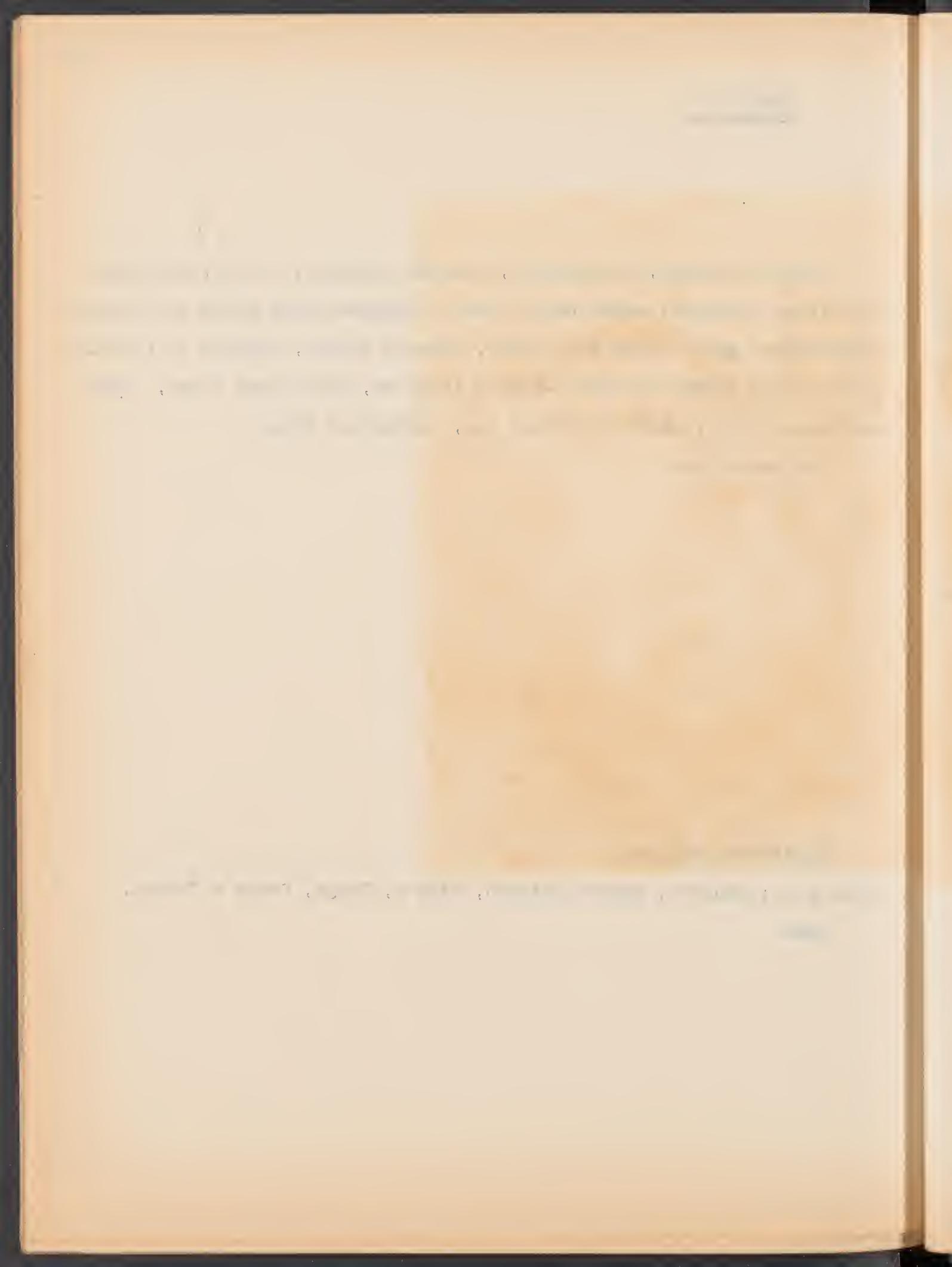
Pileus expanded, subumbonate, 8-10 cm diameter, viscid, minutely fibrillose undergel, mummy brown disc to Dresden brown with white shining margins; gills broad very close, sinuate adnate, chamois to isabella color; stipe fleshy fibrous 6-8 cm x 12-10 mm, fibrillose silky, brown reticulate with remains of viscid gel, subbulbous below

In earth bank

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2450 m, Dodge, Dodge & Thomas,

5405



Hebeloma near subincarnatum

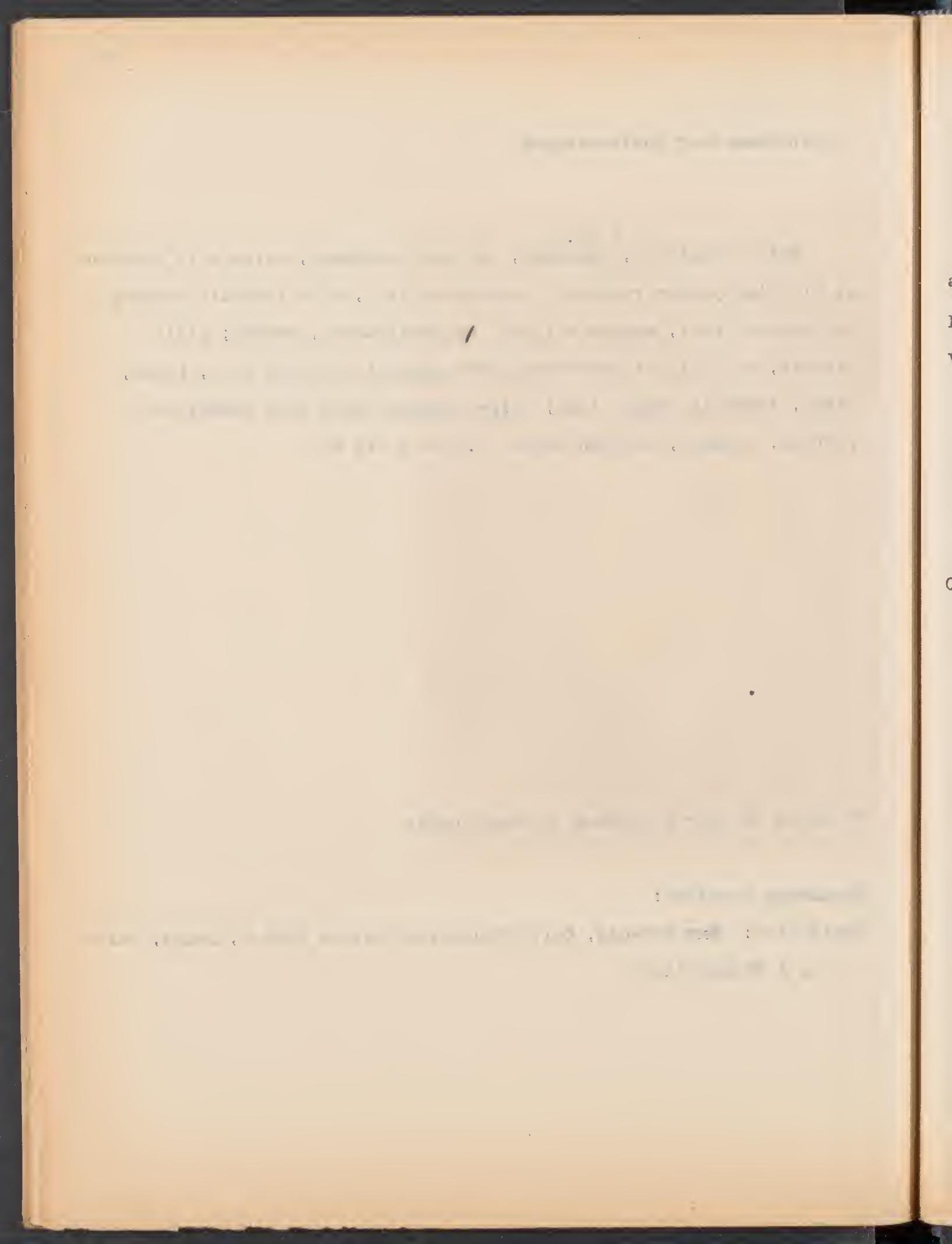
3 cm.

Pilei cespitose, expanded, slightly umbonate, moist with occasional citrine yellow remains of universal veil, disc isabella shading to colonial buff, margin slightly appendiculate, smooth; gills sinuate, with slight decurrent tooth appearing nearly free, broad, close, isabella color, thin; stipe colonial buff with isabelline fibrils, slender, swollen below, 3.5 cm x 3-4 mm

In mould on very rottenlog in deep jungle

Specimens examined:

Costa Rica: ~~SAN~~ Heredia, Cerro Central de Zurquí 1620 m, Dodge, Valerio & Thomas 6128

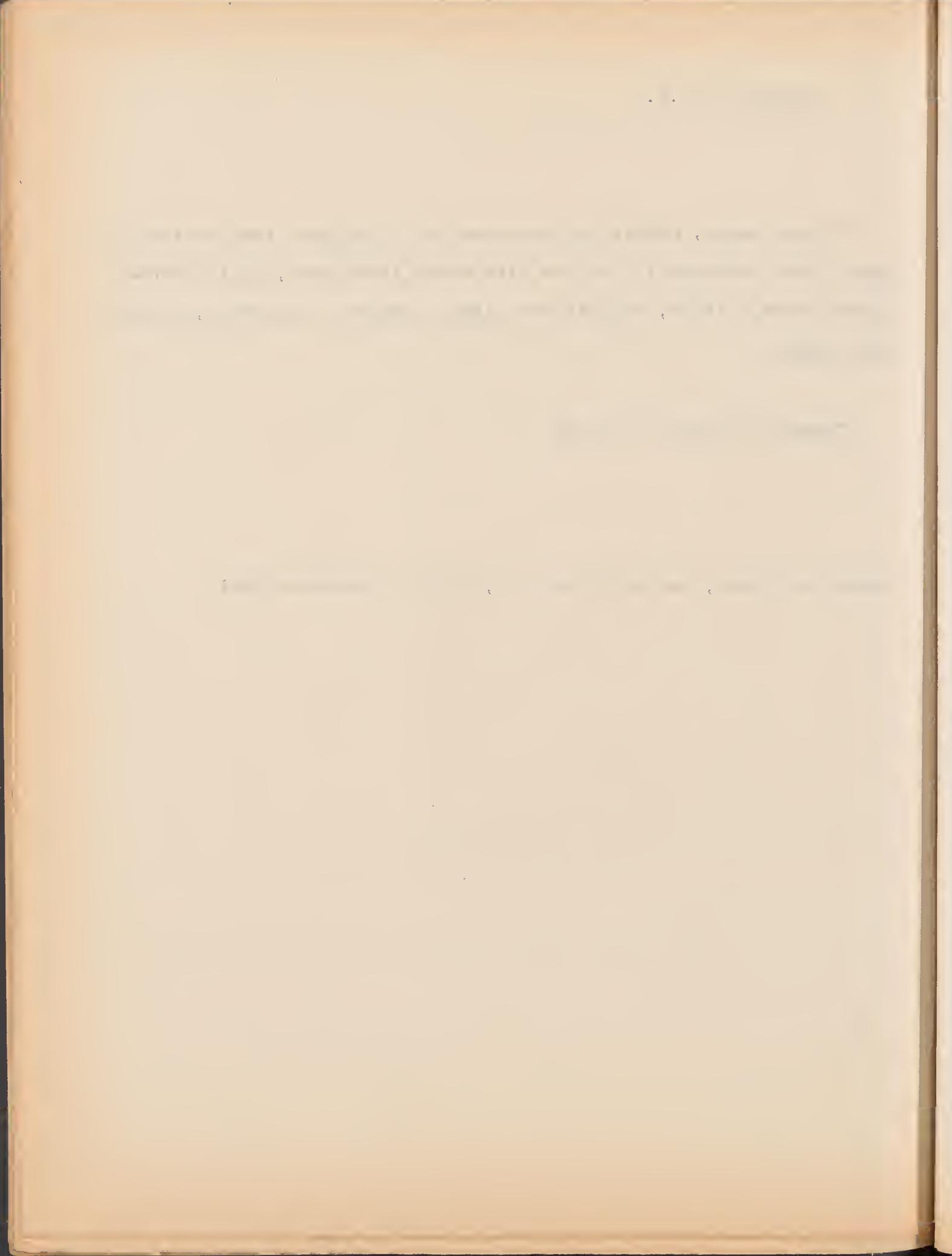


Hiatula or n.g.

Pileus large, membranous lamellae splitting down back ochraceous along lines between gills and on disc where lines meet; gills transparent; stem citrine, fragile very long, slender; ring broad, pendent very fragile

Decaying leaves in Jungle

Costa Rica: Limon, Los Negritos 20 m, Dodge & Nevermann 7241



Hiatula

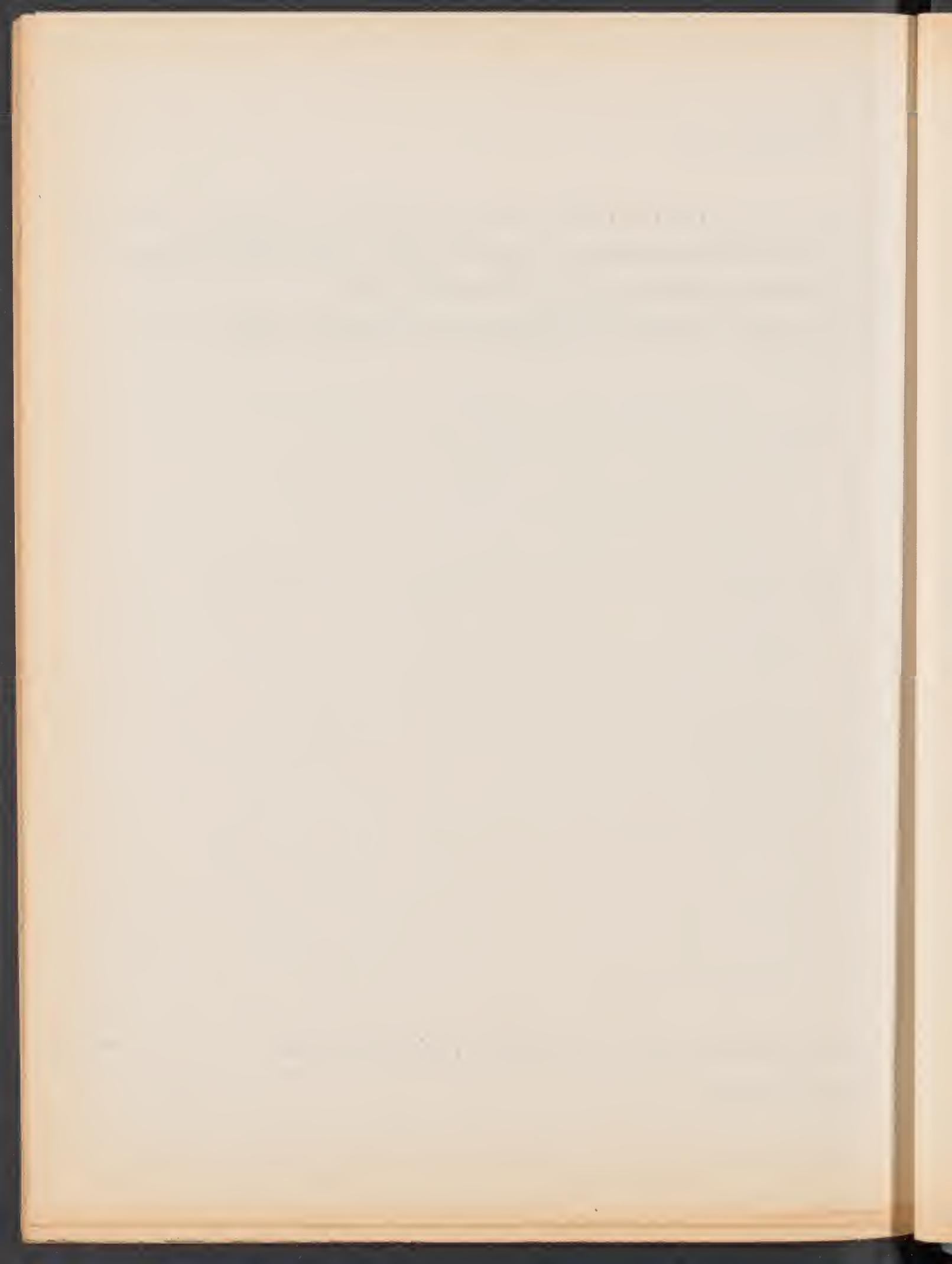
Benzonii group

Pileus conic, 2.5cm. x 1.5mm. high, disc erulioia, buckthorn brown, rest pellucid white, splitting down backs of gills completely and spreading
Gills white, subdistant, free from stipe, broad
Stipe fragile, hollow, cartilaginous, white, 10cm x 2,5mm.

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m.

R-32-56

Dodge & Goerger

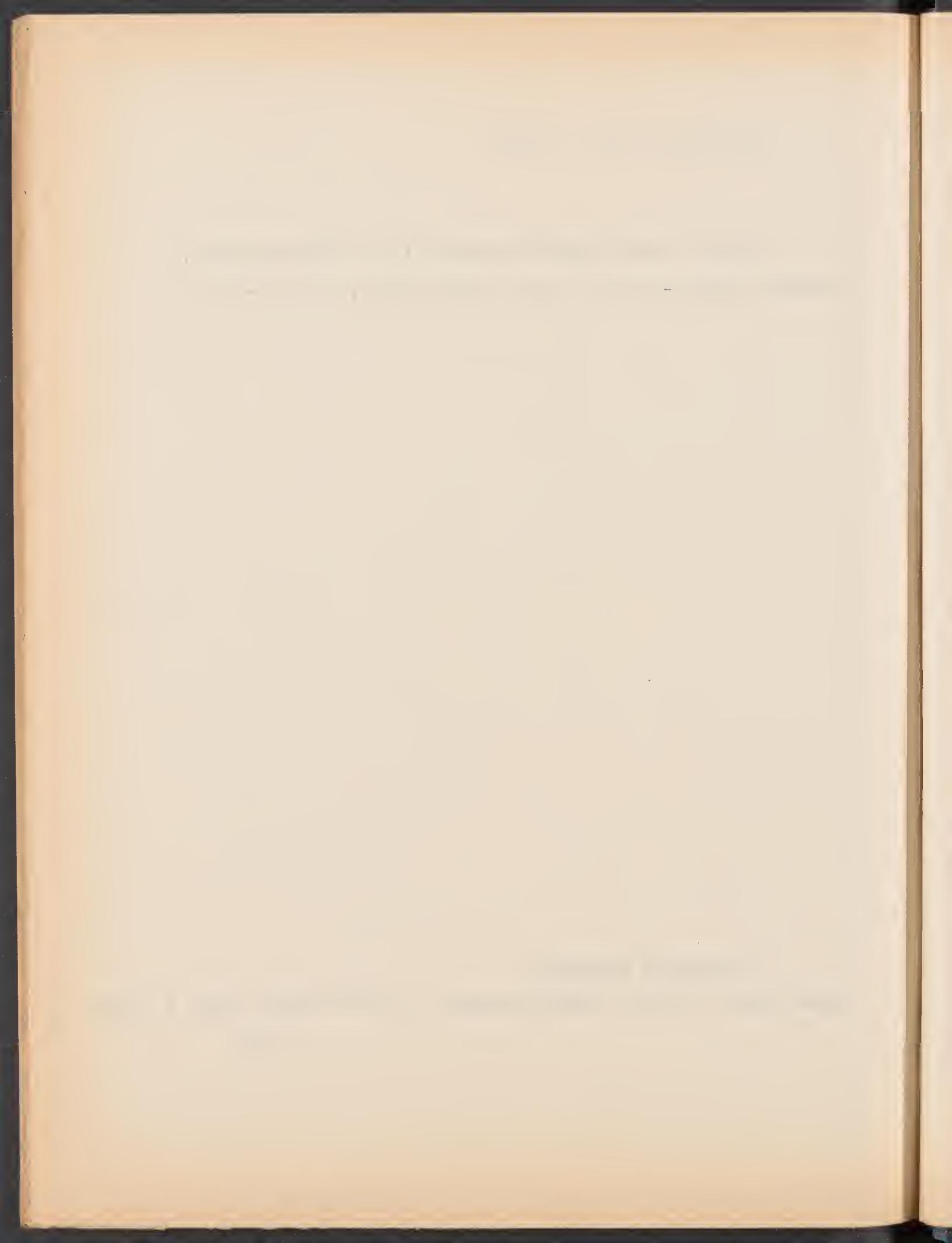


Hygrophorus near aurantia

Pileus conical, umbonate, faded; gills free, ventricose,
distant, apricot-yellow; stipe fragile, silky, apricot-yellow

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2200-2600m. Dodge & Thomas



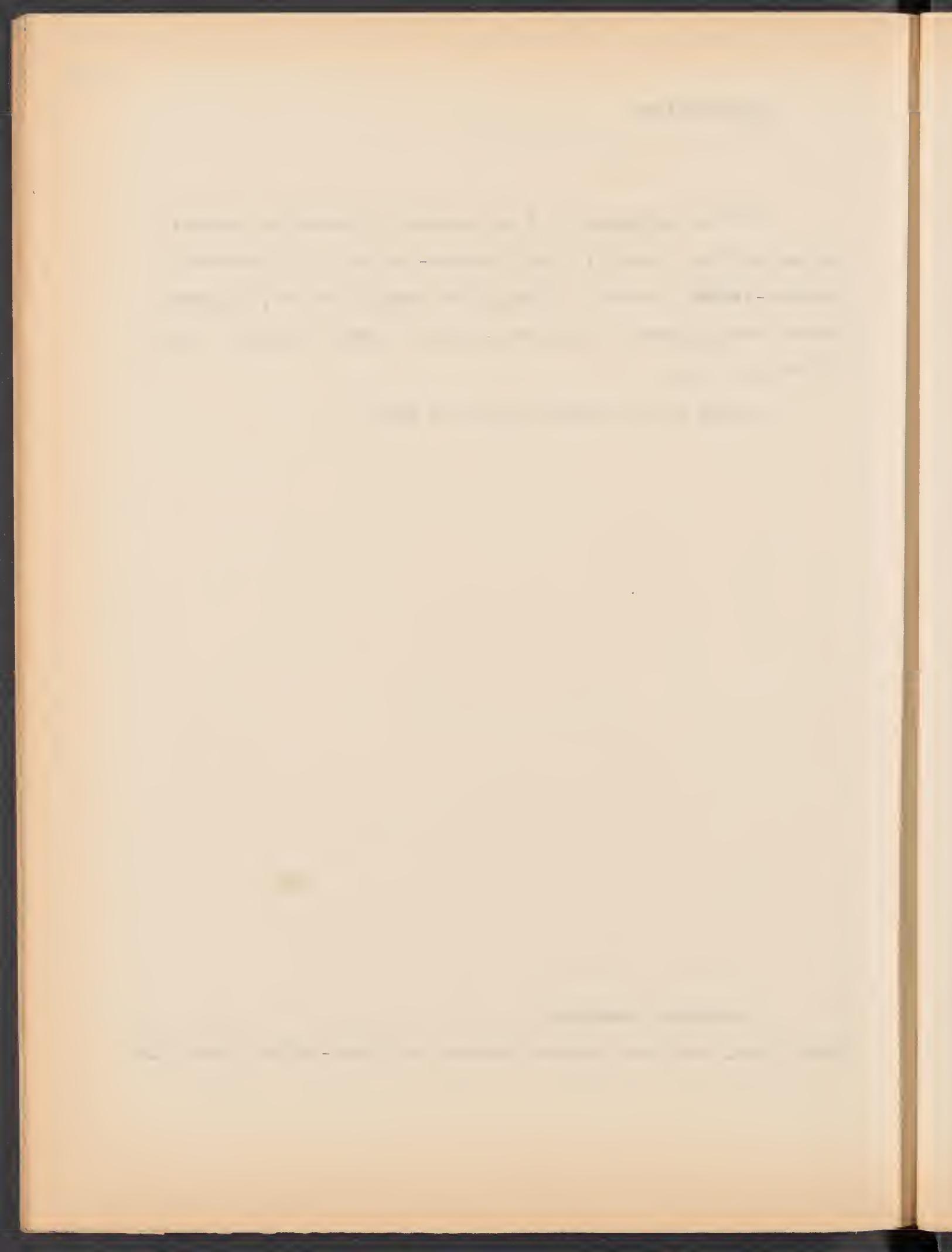
Hygrophorus

Pileus campanulate, 8 mm., Brazil red, becoming orange-chrome on disc, viscid; flesh apricot-yellow; gills adnexed, apricot-orange, distant, thick; stipe fragile, hollow, inflated, below cartilaginous, pale lemon-yellow below, to orange above, 1.5 cm. # 4 mm.

Mossy log in potrero south of house.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2180-2220m. Dodge 5139



Hygrophorus near subminiata

Pileus bright red, convex to plane or slightly depressed; gills distant, deep red with white edges; stipe red above, bright yellow ^{below} colors, fading on drying.

Among mosses.

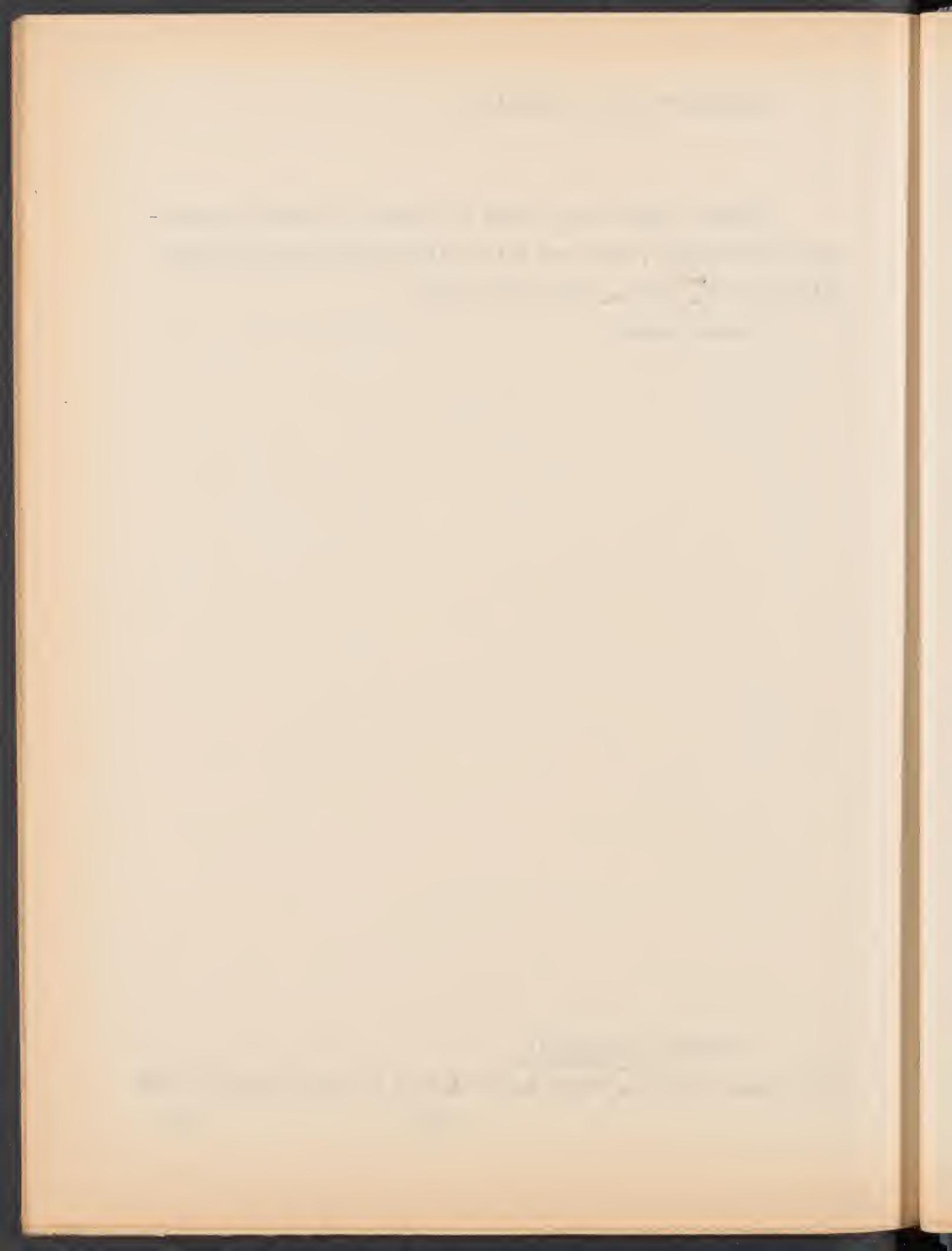
Specimens examined:

Finca Coliblanco

Costa Rica, Cartago, above Santa Teresa de Capelladas, Alt. 1980

Dodge

4460



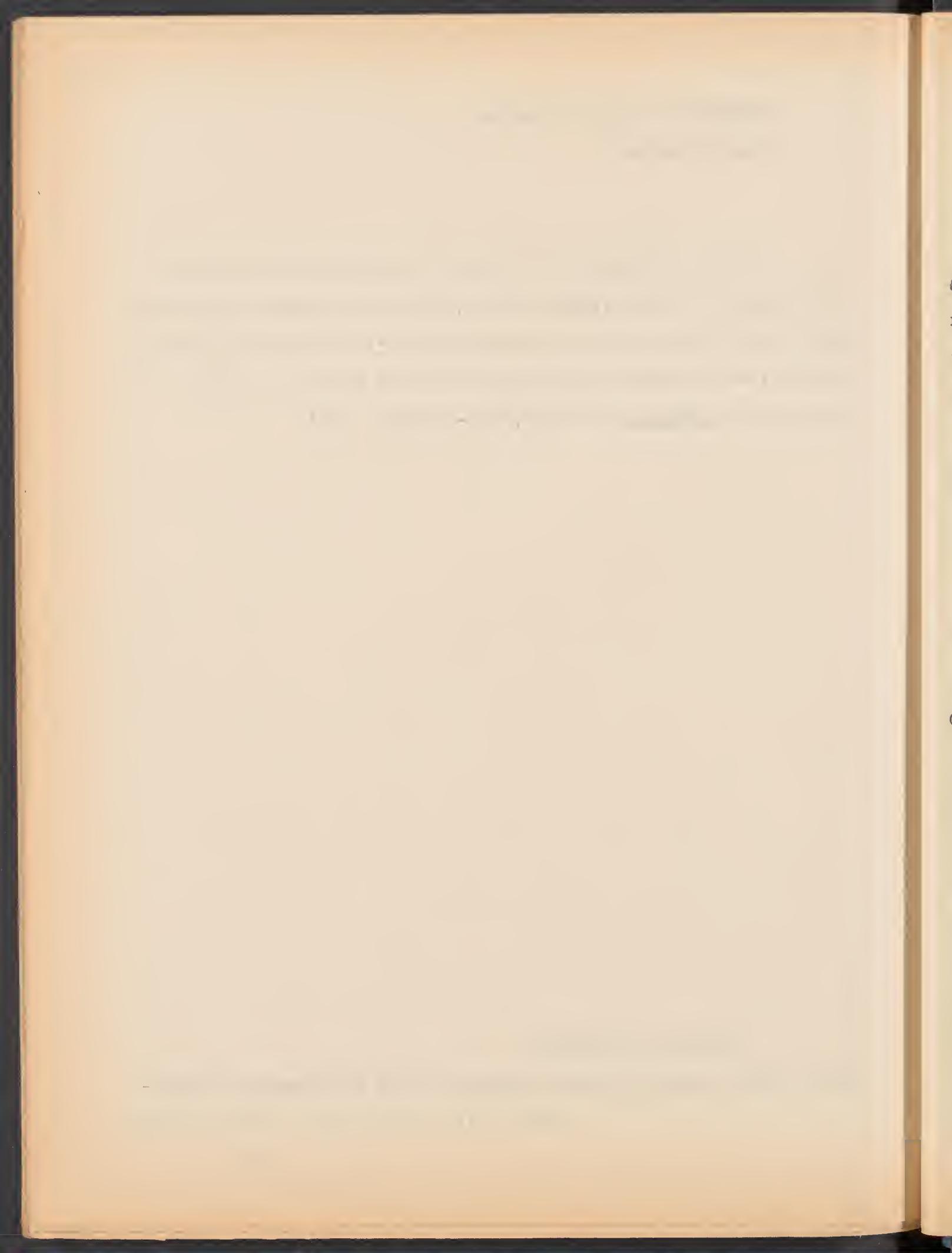
Hygrophorus conicus group

(See painting)

Pileus campanulate with sharp, pointed umbo, blackening on drying, not viscid, moist, innate, fibrillose, margins inrolled; flesh very thin; gills free, narrow, orange-buff, blackening; stipe fibrous, cartilaginous, hollow, silky, fibrous without. Pileus attached to underside of huge, moss-covered log!

Specimens examined:

Costa Rica, Cartago, Finca Coliblanco above Sta. Theresa de Capeladas, Alt. about 1800 m., Dodge & Thomas

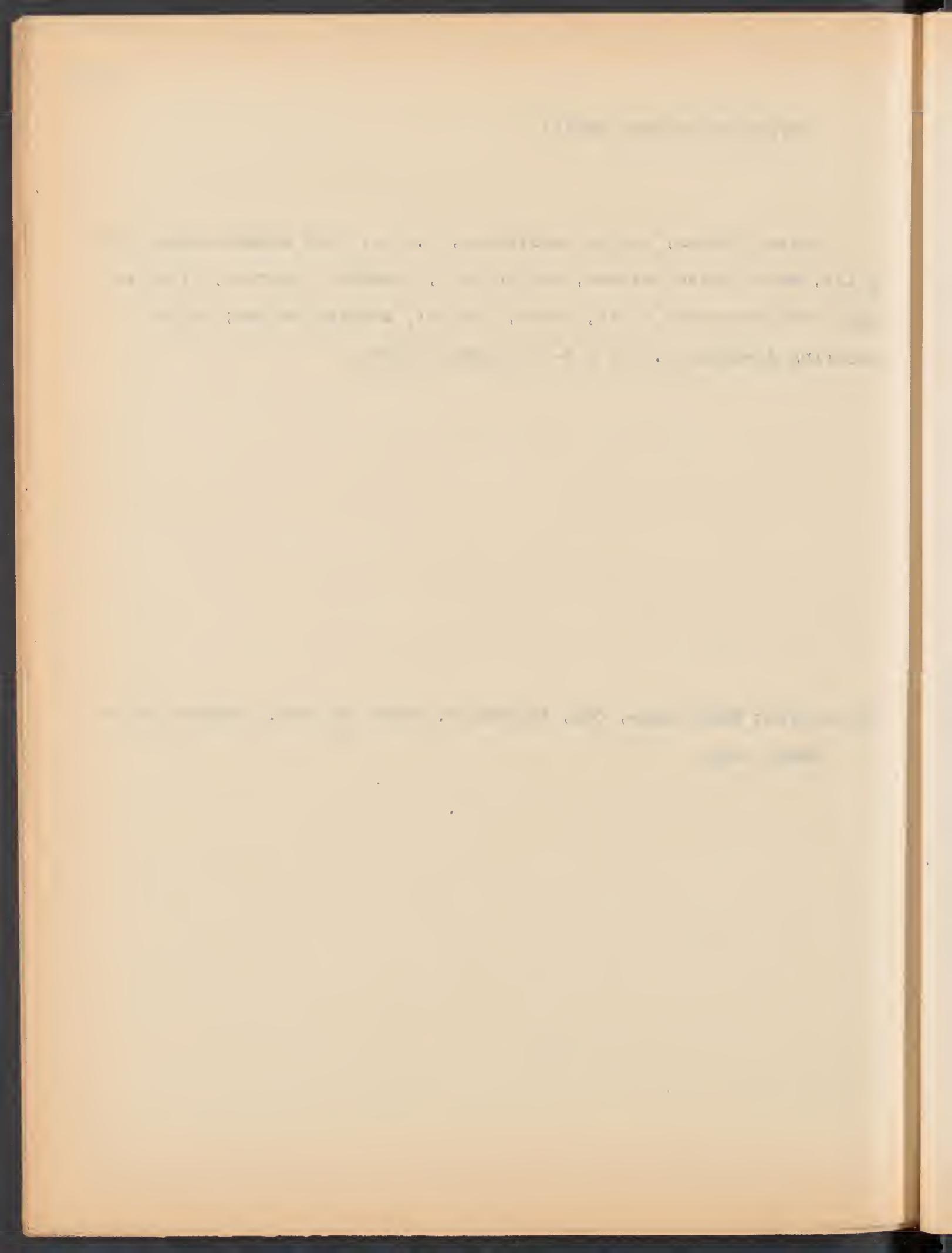


Hygrophorus near Earlei

Pileus convex, deeply umbilicate, 3.5 cm, Mars ~~xxxxx~~ orange over gills, Mars yellow between, margin thin, somewhat lacerate; gills adnate with decurrent tooth, broad, distant, cadmium yellow; stipe tapering downward 5.5 cm x 4-3 mm lemon chrome

Costa Rica: Puntarenas, Osa, between R. Nuevo and Pto. Jimenez 10 m

Dodge 7651



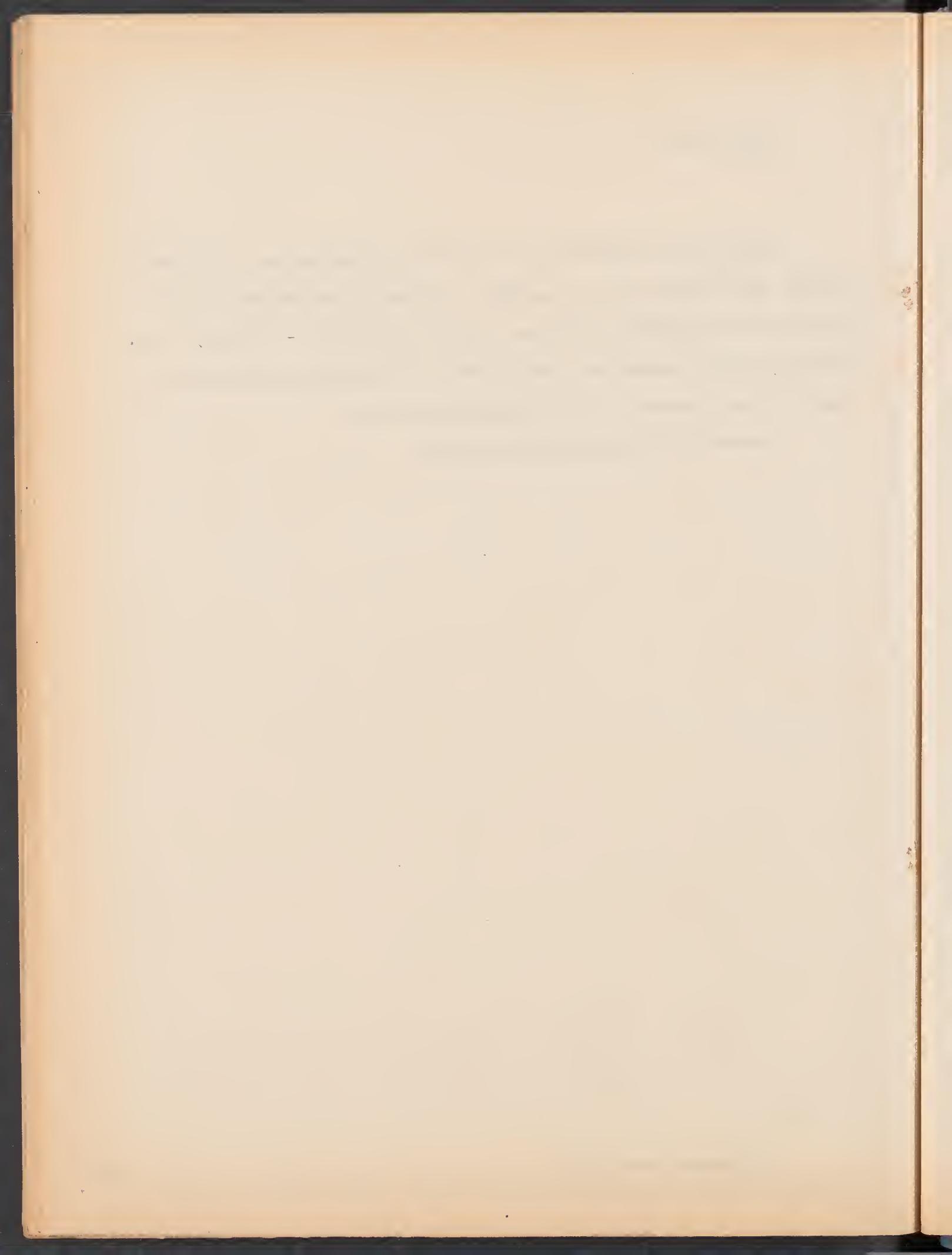
Hygrophorus

Pileus much depressed, attacked by myxomycetes, which may account for lack of top of pileus, now deeply infundibuliform, cartilaginous between strontian yellow & yellowish-citrine, 6 cm. diameter, slightly decurrent, thick, waxy, concolorous; stipe hollow 4 cm. # 8 mm. diameter, cartilaginous, concolor.

Under Bambusoid grasses in soil.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2550m., Dodge & Thomas 5024

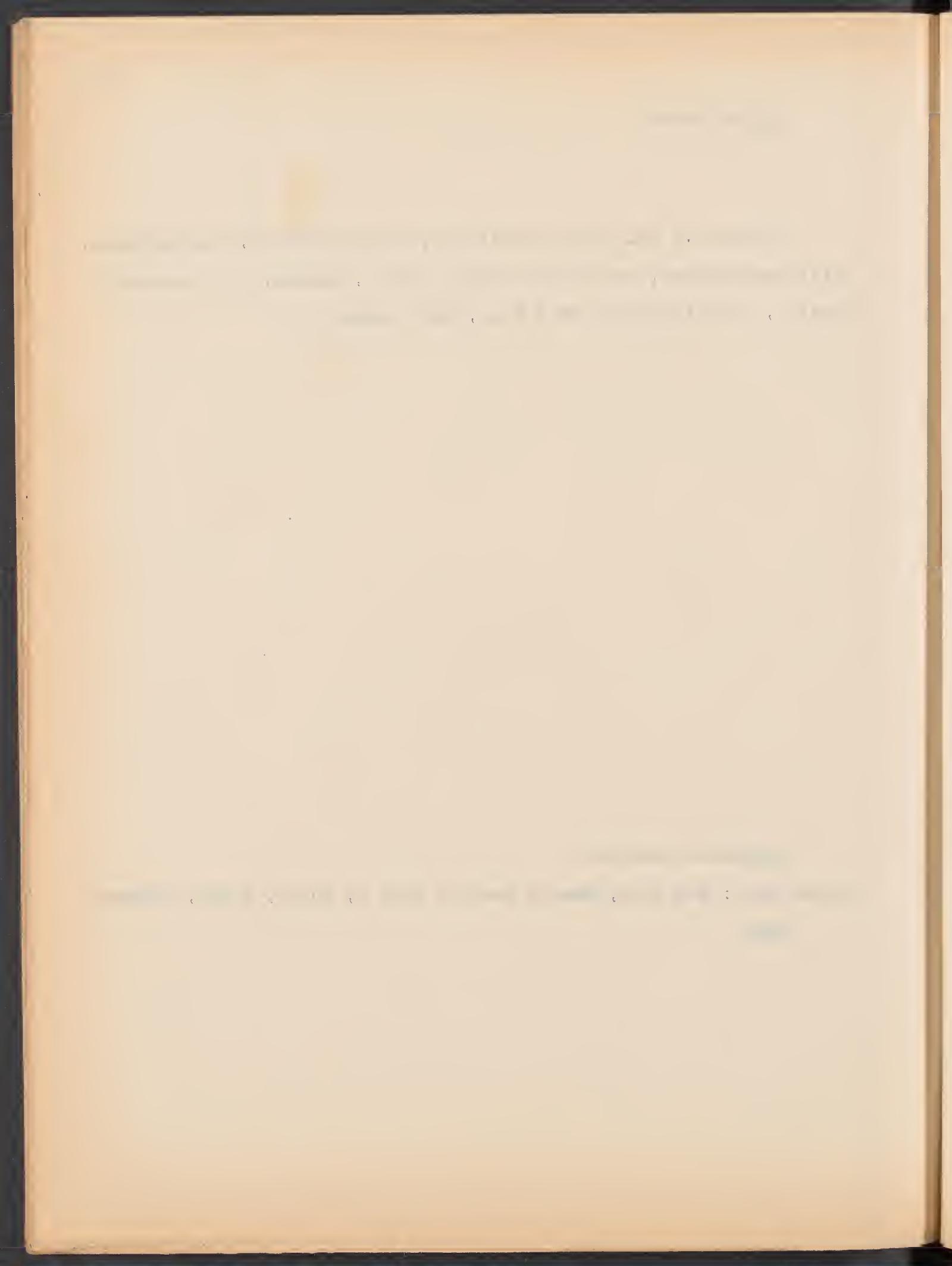


Hygrophorus

Pileus 3.5 cm, flat, umbilicate, greenish black, hygrophanous; gills subdistant, ventricose orange yellow, adnate; stipe chestnut hollow, cartilaginous, 25 x 4 mm, end broken off

Specimens examined

Costa Rica: San Jose, Rancho Redondo 2100 m, Dodge, Dodge, & Thomas
5366



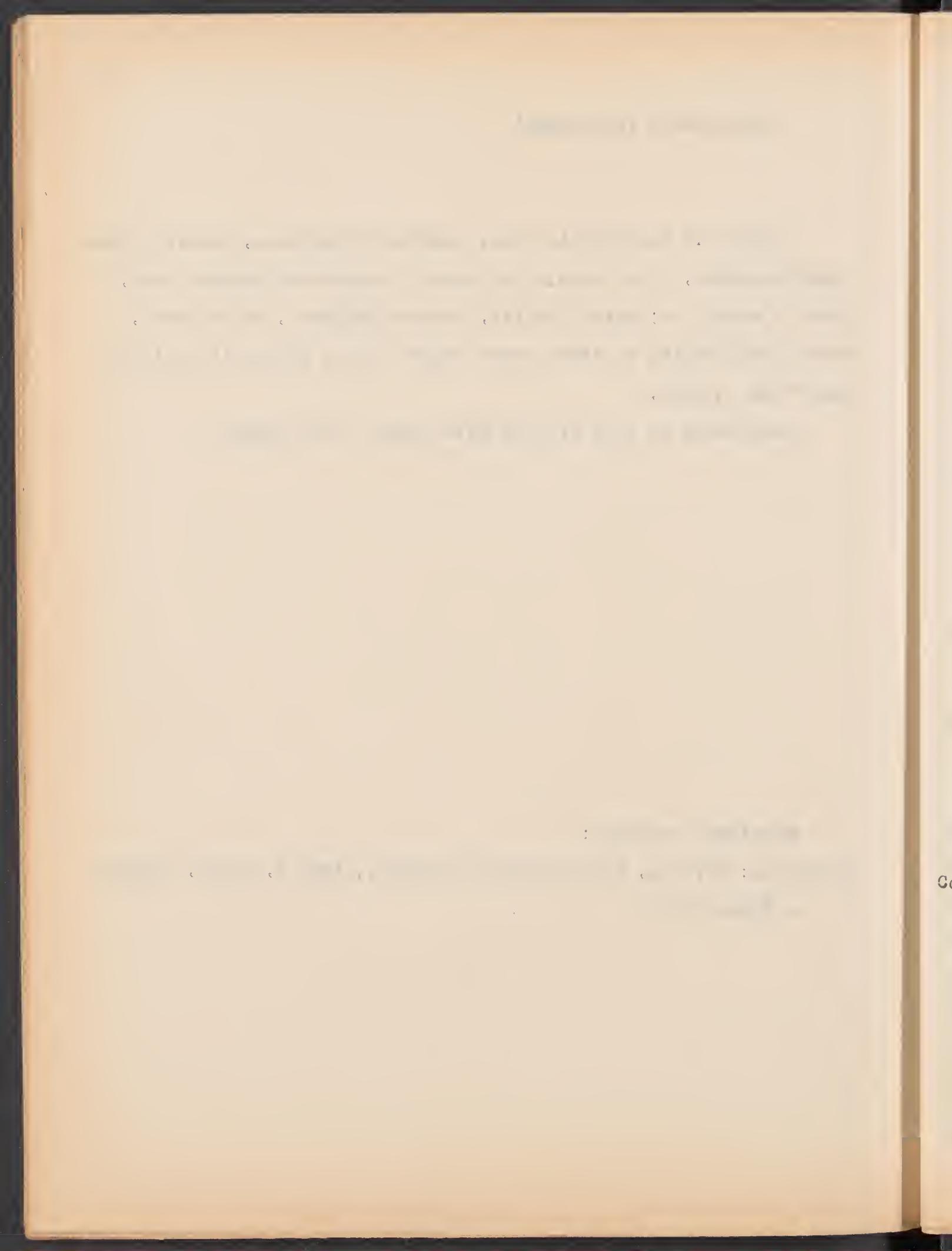
Hygrophorus (Hygrocybe)

Pileus 3.5 cm, Begonia rose, minutely fibrillose, margin irregularly lacerate, flesh thin; gills broad, subdistant, hermosa pink, free or nearly so; stipe fragile, subcartilaginous, white above, coral pink shading to flesh ochre below, 5 cm x 5 mm with fusiform base 7 mm in diam.

Leaf mould at foot of tree in the edge of the jungle

Specimens examined:

Costa Rica: Heredia, Cerro Central de Zurquí, 1620 m, Dodge, Valerio & Thomas 6022



Hygrophorus bella?
subcaespitosa?
flammea?

Pileus Brazil red fading; stipe light cadmium. (5564)

Pileus expanded, scarlet to scarlet red, margin slightly more yellowish
 11 cm in diameter margin slightly striate; gills distant medium adnate
 to subdecurrent pale orange yellow to white stipe scarlet to orange
 $2\text{ cm} \times 2\text{ mm}$ fragile (7713, 7714)

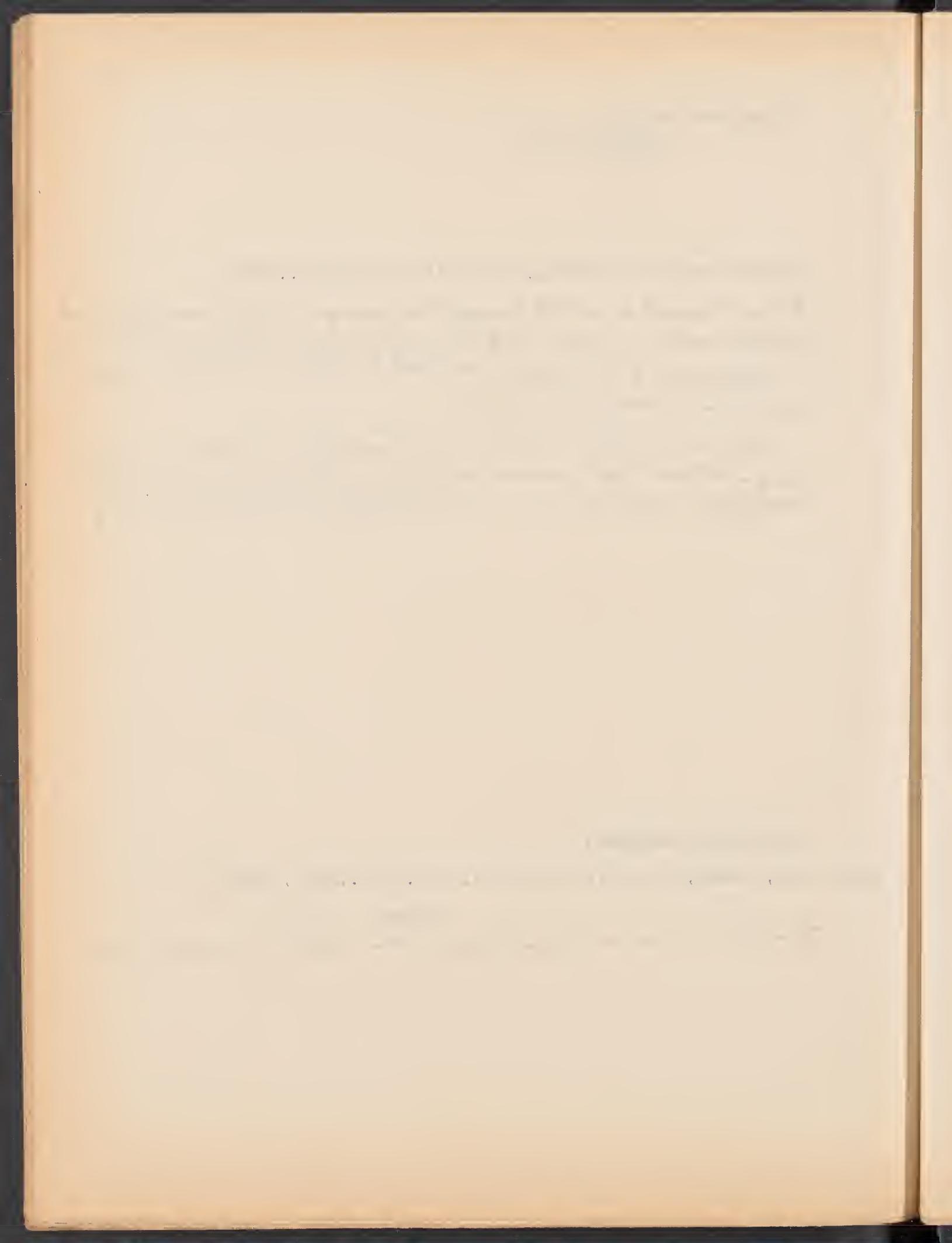
Pileus conic expanded very moist (probably viscid) disc rufous
 margin between light cadmium and lemon chrome; gills thick white
 nearly free stipe $3\text{ cm} \times 5\text{ mm}$ white fleshy surface fibrillose (7679)

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 220m., Catt, Dodge &

Thomas 5564

Puntarenas Osa near Estero Sandalo 5-20m Dodge 7713, 7714. ?7679

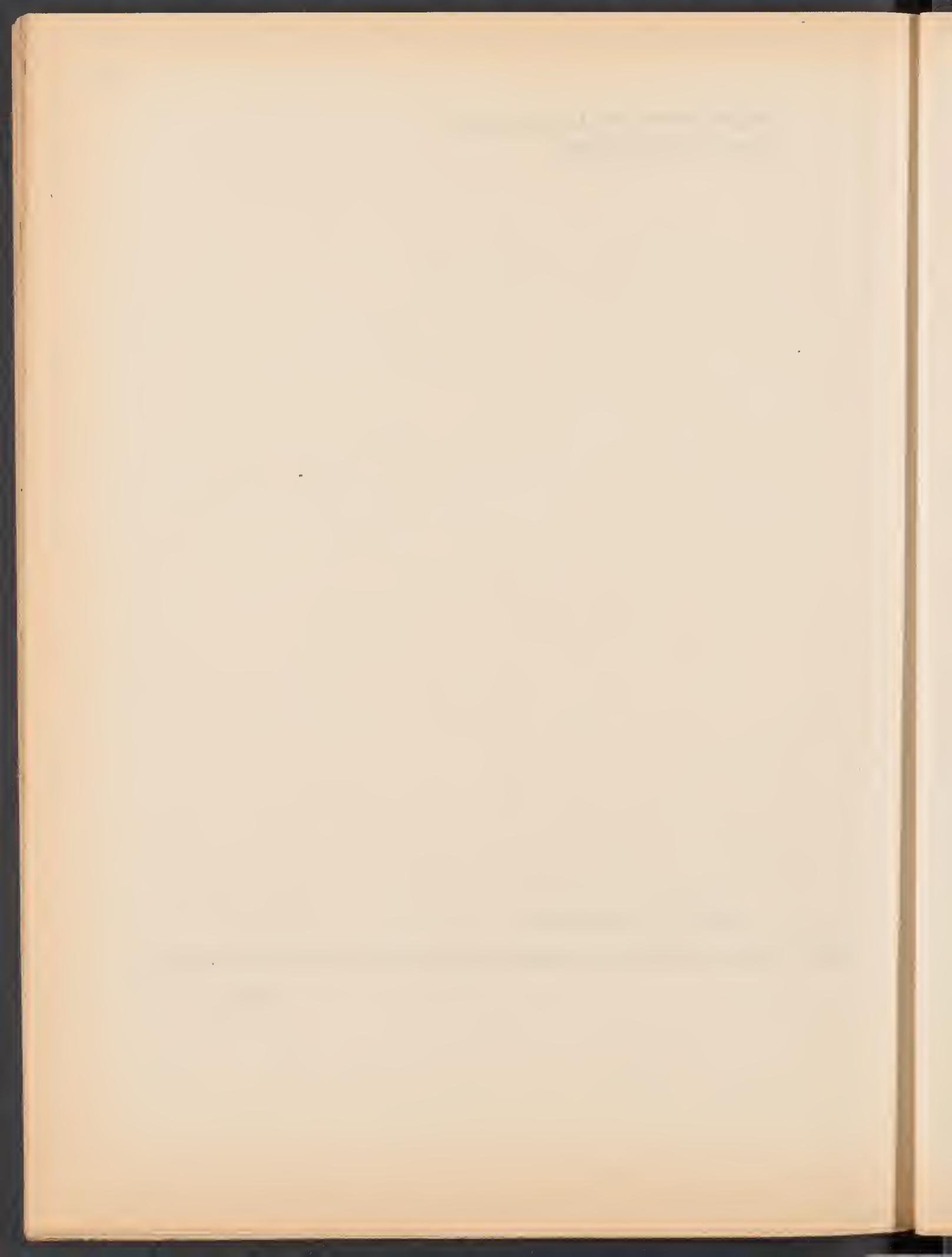


?*Hygrophorus variolosus* Fr. ?
(See also painting)

Specimens examined:

Costa Rica, San Jose, San Jose, Parque Bolivar, Alt. 1179 m. Dodge

4318



Hygrophorus (camarophyllus)

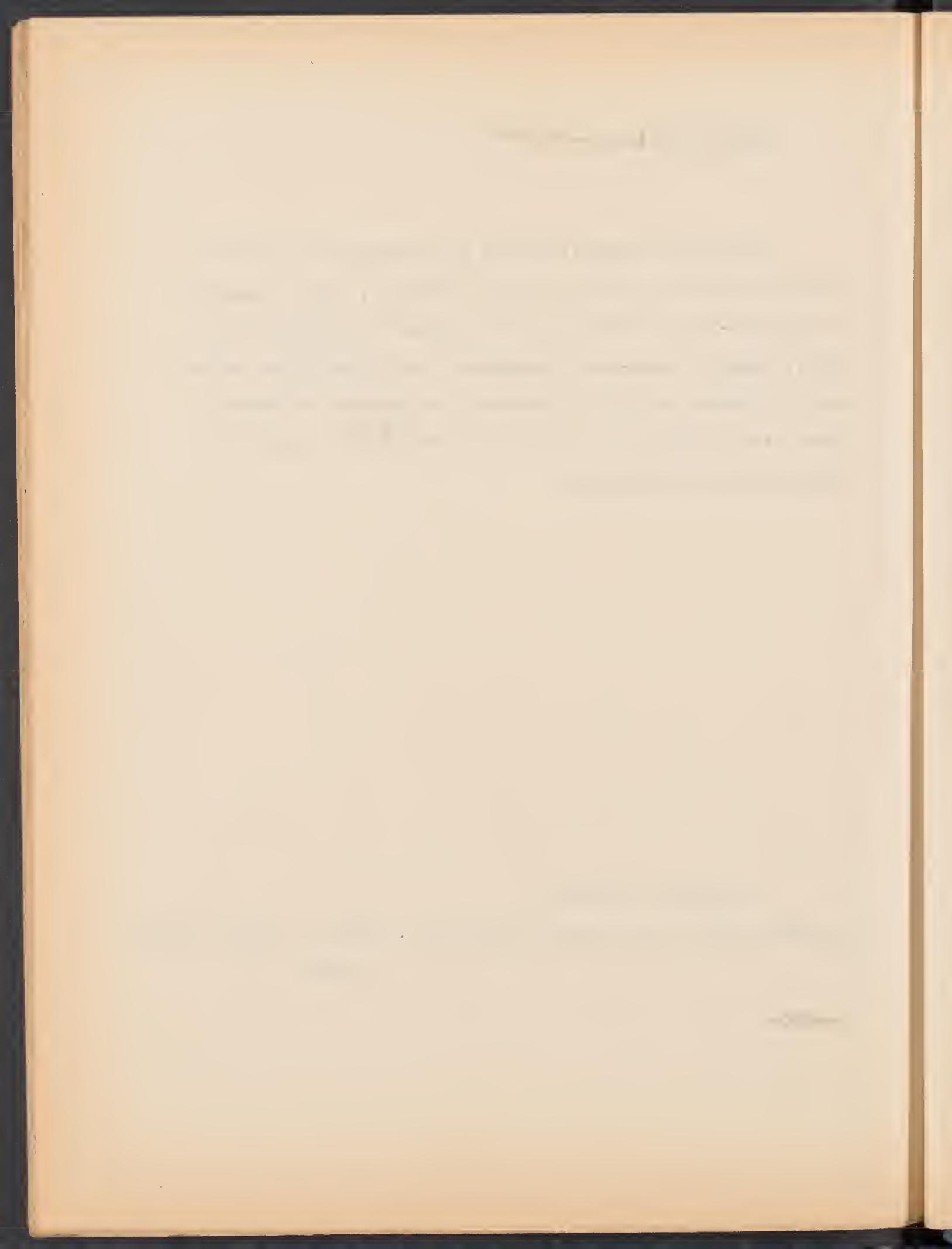
Pileus very much distorted from position of growth, surface fibrillose, watery almost tomentose, sepia, shading to cinnamon-buff on margin; gills subdistant rather thick, white, becoming warm-buff, somewhat interveined; stipe thick, much distorted, but gills decurrent, apparently collected along with *Hygrophorus* of same date (Nov. LL) ^{cf. 5137} q.v., probably large, distorted specimen.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250 m., Dodge & Thomas

5348

~~seals~~



Hygrophorus

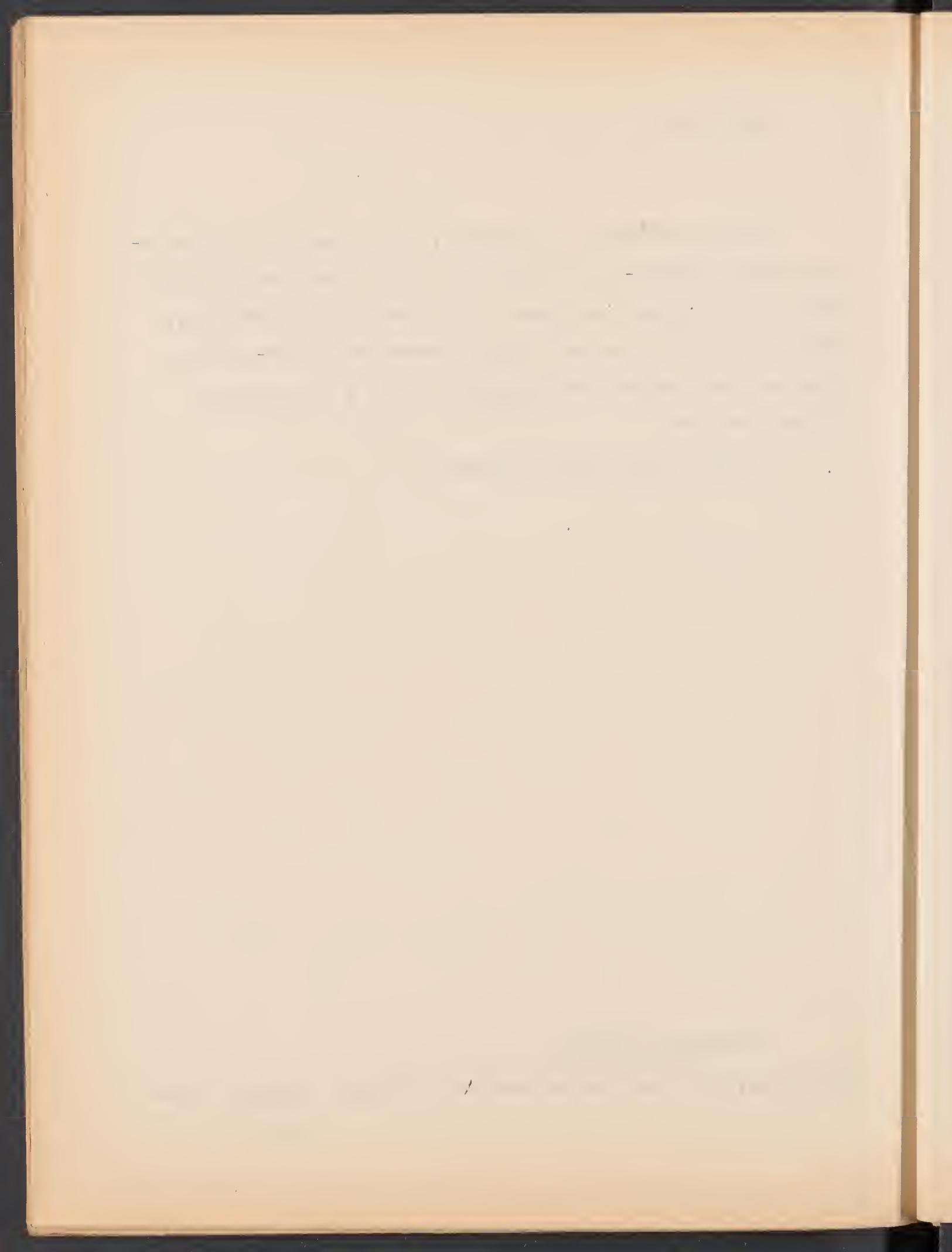
Pileus gregrious to cespitose, 7 cm. diam., dry verrucose-tomentose, cinnamon-brown, shading lighter toward margin; flesh thin, cartilaginous, continuous with stipe; gills thick, waxy, distant, narrow to medium, slightly decurrent, maize-yellow; stipe hollow, fragile, cartilaginous, 7 cm. # 9 mm., white, fibrous, sulcate.

Grassy potrero under *Quercus*.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250m., Dodge & Thomas

5023



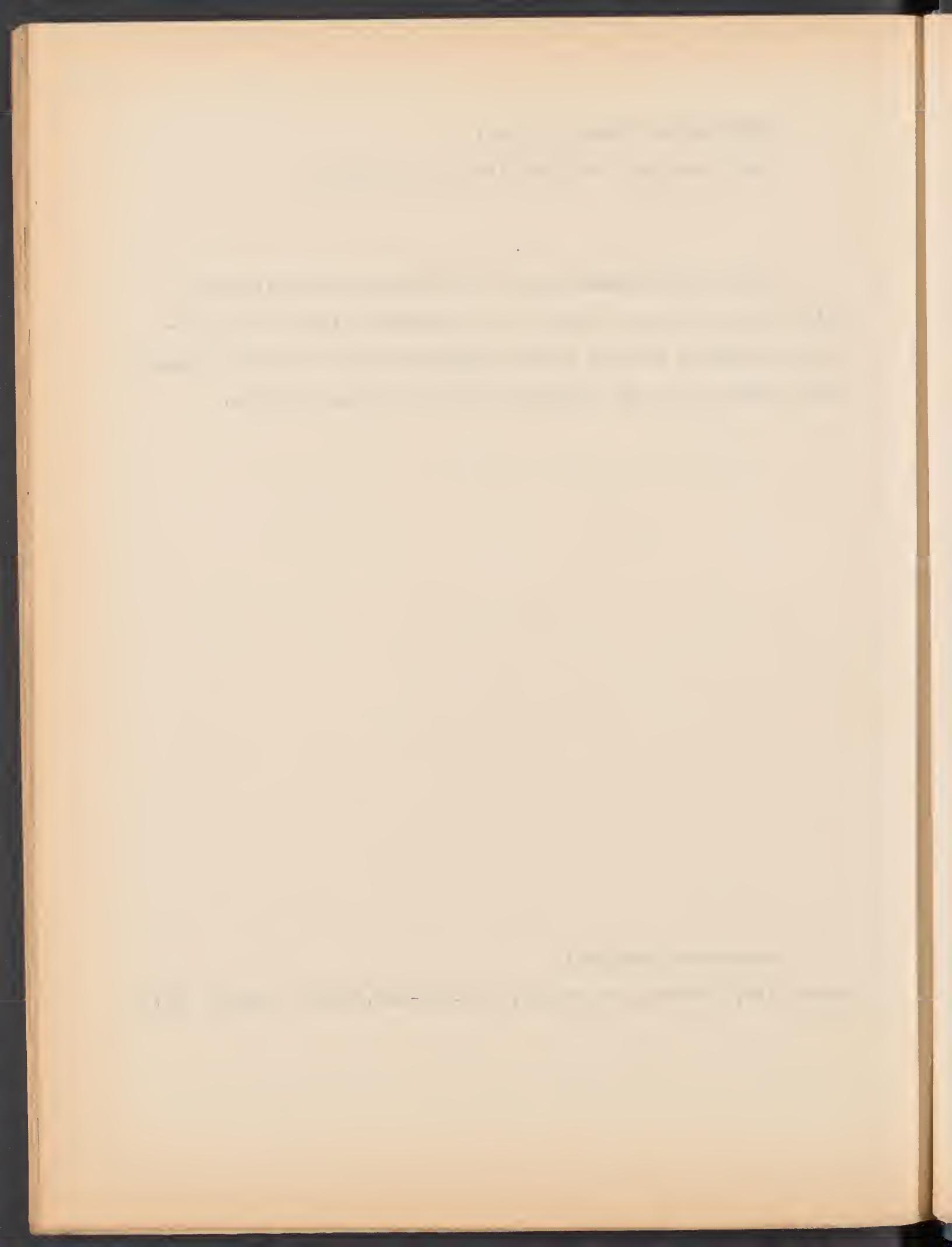
Hygrophorus (*Camarophyllum*)

(See painting) Nothing like it in Murril.

Pileus campanulate, moist not viscid; flesh thin; gills thick & waxy, free or nearly so of moderate width; stipe hollow, splitting & rolling inward, suggesting stem of Helvelloideae, white, moist, but not viscid; no trace of ring or volva.

Specimens examined:

Costa Rica, Cartago, Pejivalle, Alt. 650-820, Dodge & Thomas 4475



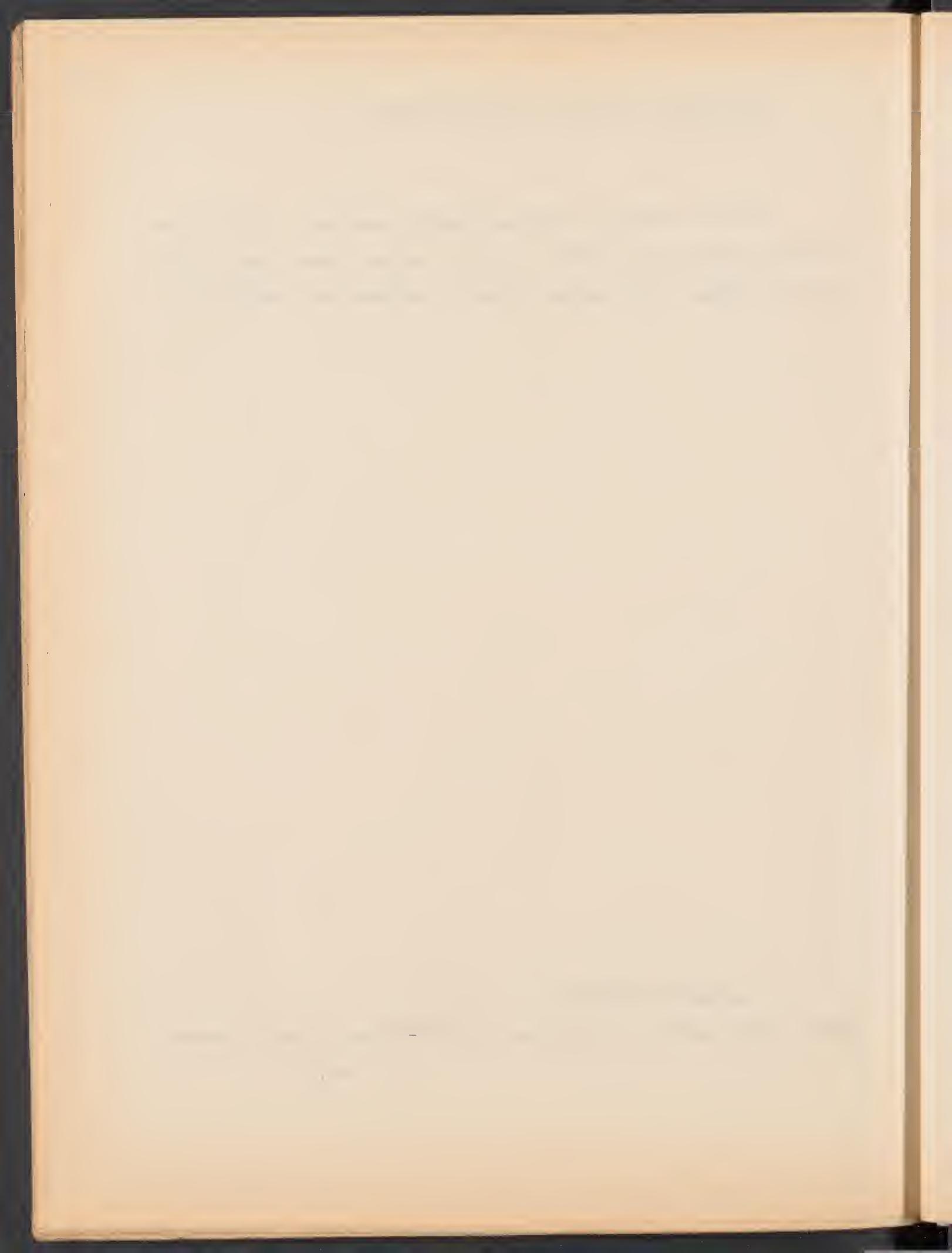
Hygrophorus nearest *H. subpraetensis*. M.

Pileus viscid, raw umber, expanded, margins slightly in-
rolled; gills waxy, distant, adnate, white; flesh 1 mm. thick
on disc; stipe silky above, slightly furfuraceous below, white .

Specimens examined:

Costa Rica, Cartago, Pejivalle, Alt. 650-820m., Dodge & Thomas

4474

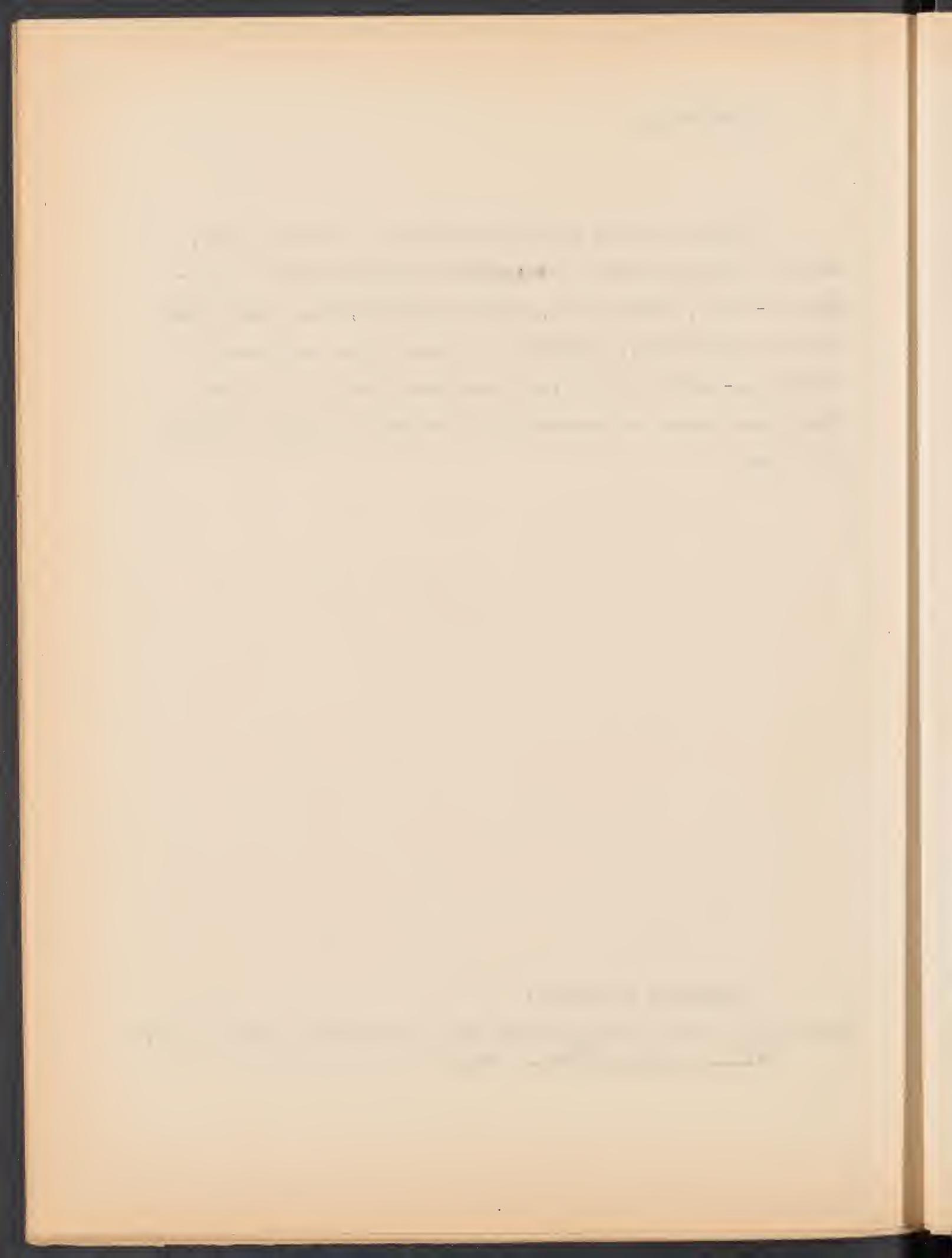


Hygrophorus

Pileus old, dry when collected, up to 1.5 # 2 cm., smooth & shining (probably ~~viscid~~), ochraceous-buff to ochraceous-tawny, hemispheric, margin inrolled; flesh very thick, white; gills adnate, decurrent by line, thick, subdistant, ochraceous-buff; stipe thick, fleshy, continuous with flesh, fibrillose below, evanescent ring, becoming shining, (viscid) 15 # 6 mm.

Specimens collected:

Costa Rica, San Jose, Finca Santa Rosa, Alt. 2580 m., Dodge 5227
?Simon: Waldeck ^{40m} Dodge 7196



Hygrophorus (~~eu~~ Hyg.)

Whole plant surrounded by thick gel, viscid, universal veil; pileus unexpanded when young, 2.2 cm., sepia, shading to Isabella color; gills white, subdistant, waxy, adnate; stipe thick, floccose, pruinose above; gelatinous annulus, white, reticulate, striate with sepia, as gel dries, 4 cm # 7 mm.

Mossy banks under Quercus.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250m., Dodge & Thomas

Hygrophorus?

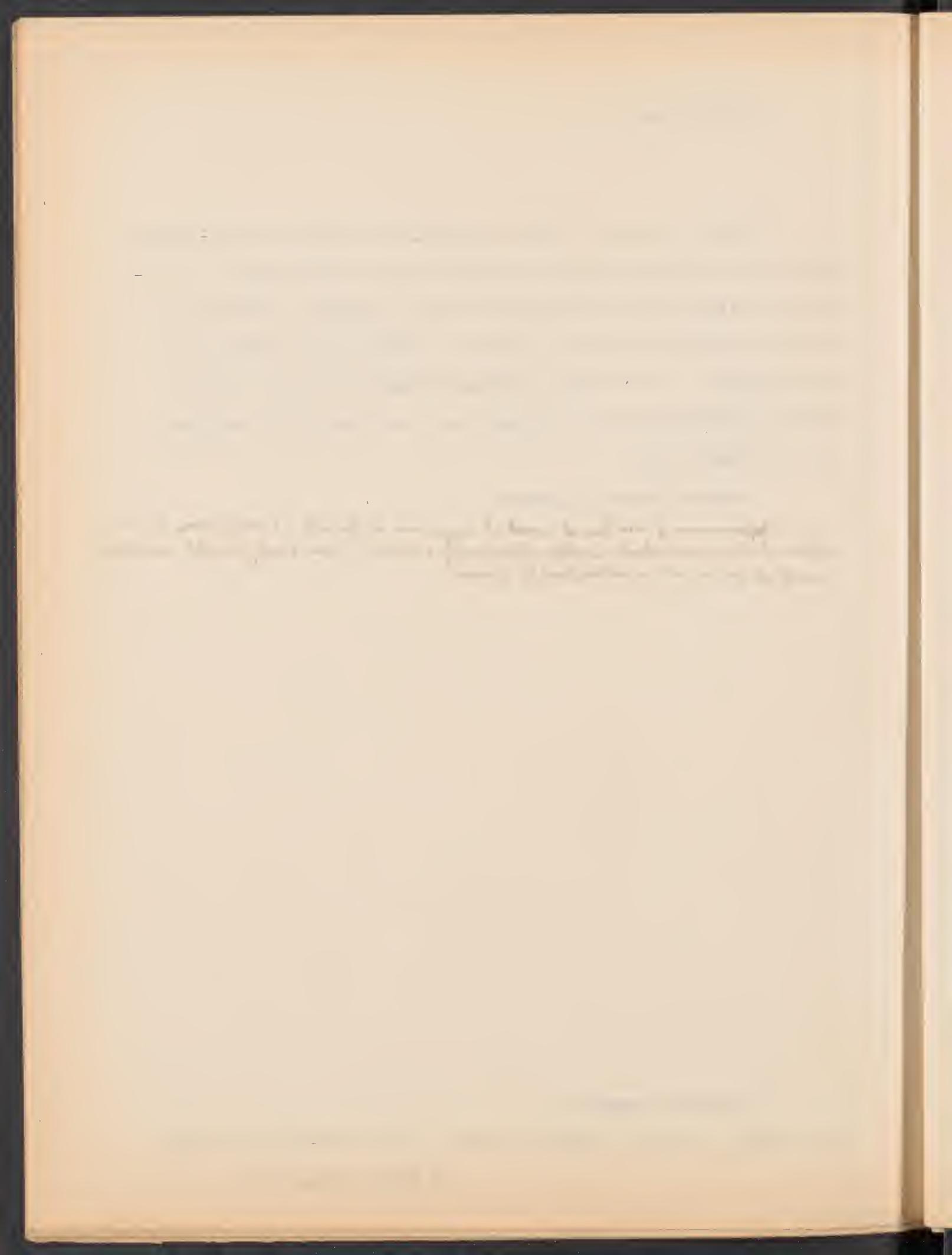
Pileus 3.2 cm., convex, viscid, very dark chestnut-brown, margin appendiculate with universal veil, which fringes as triangular patches 2 mm. long; gills thick, adnate, covered by partial veil which clings to edges of gills as pileus expands; stipe fleshy 5 cm # 7 mm., tapering below to a fusiform bulb, fibrous, tomentose from universal veil in lower half, shining, silky, above white.

Potrero south of house.

Specimen from dead wood at Laguna de Bonilla is very close to the above but is somewhat smaller stipe only 2.5 cm X 7 mm & only slight enlargement at base where attached to wood.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 1160-1180 m., Dodge
& Thomas 5/36, 5158



Hygrophorus

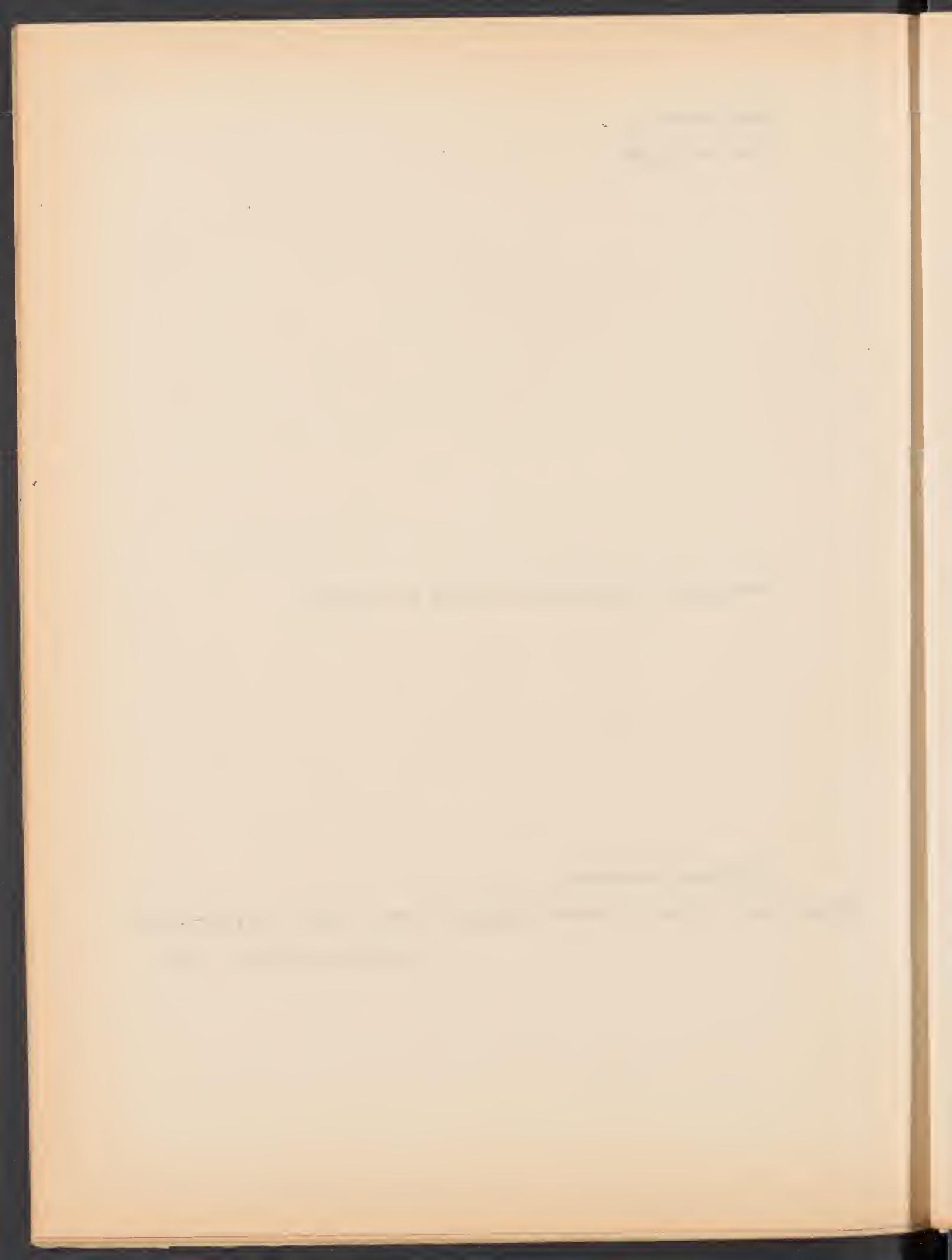
(See painting)

Among moss protonemata on bank of roadside.

Specimens examined:

Costa Rica, Aljuela, between Itiquis & San Isidro, Alt. 980-1500m.

Dodge & Valerio 4752



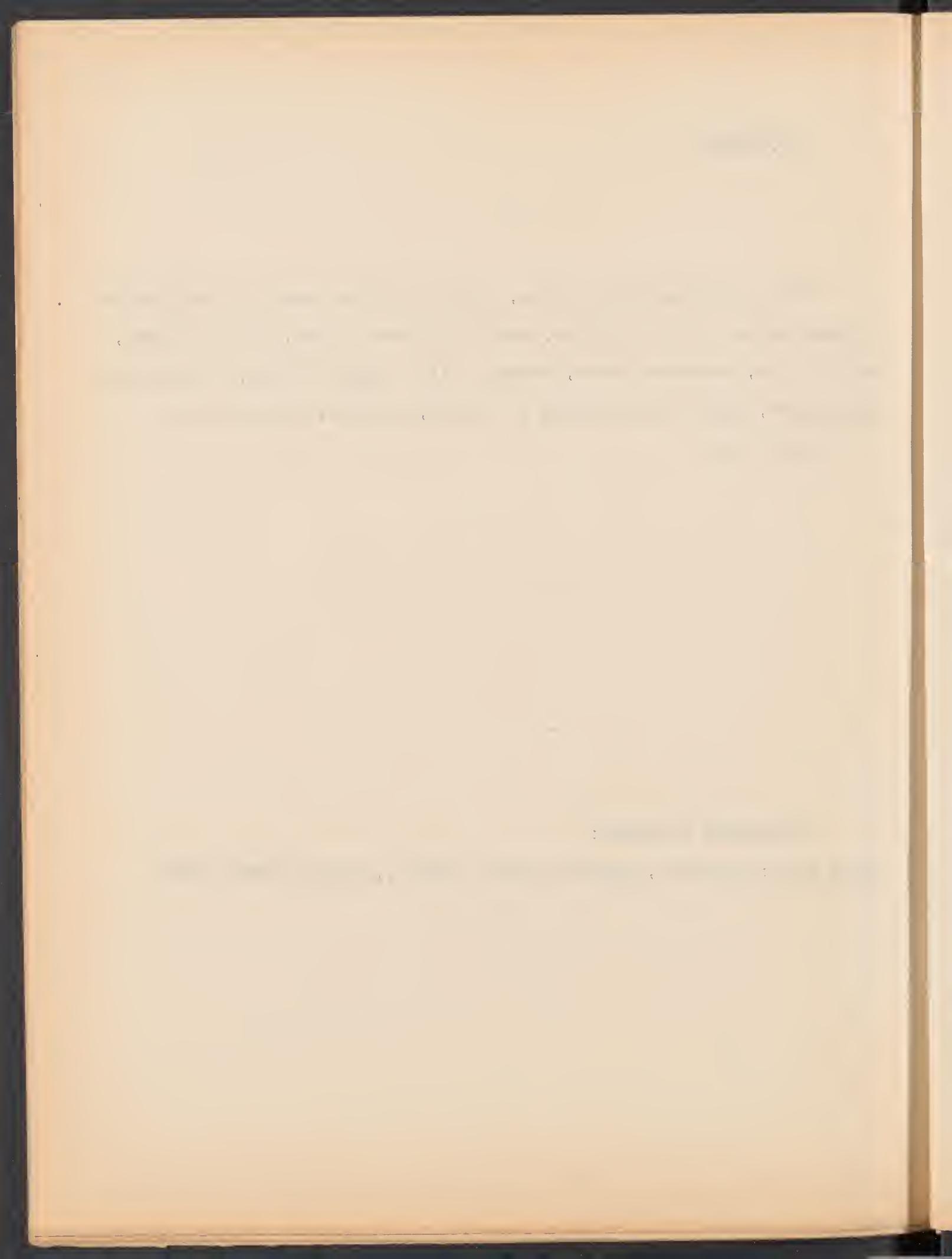
Hypholoma

Pileus depressed over stipe, apricot yellow, margin appendiculate .
; flesh thick white over disc, very thin rest of way; gills adnexed,
nearly free, cinnamon brown, broad, stipe fleshy hollow, irregularly
compressed, light buff shading to russet, fibrous, subtomentose

Mossy log

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2400 m, Dodge & Thomas 5407



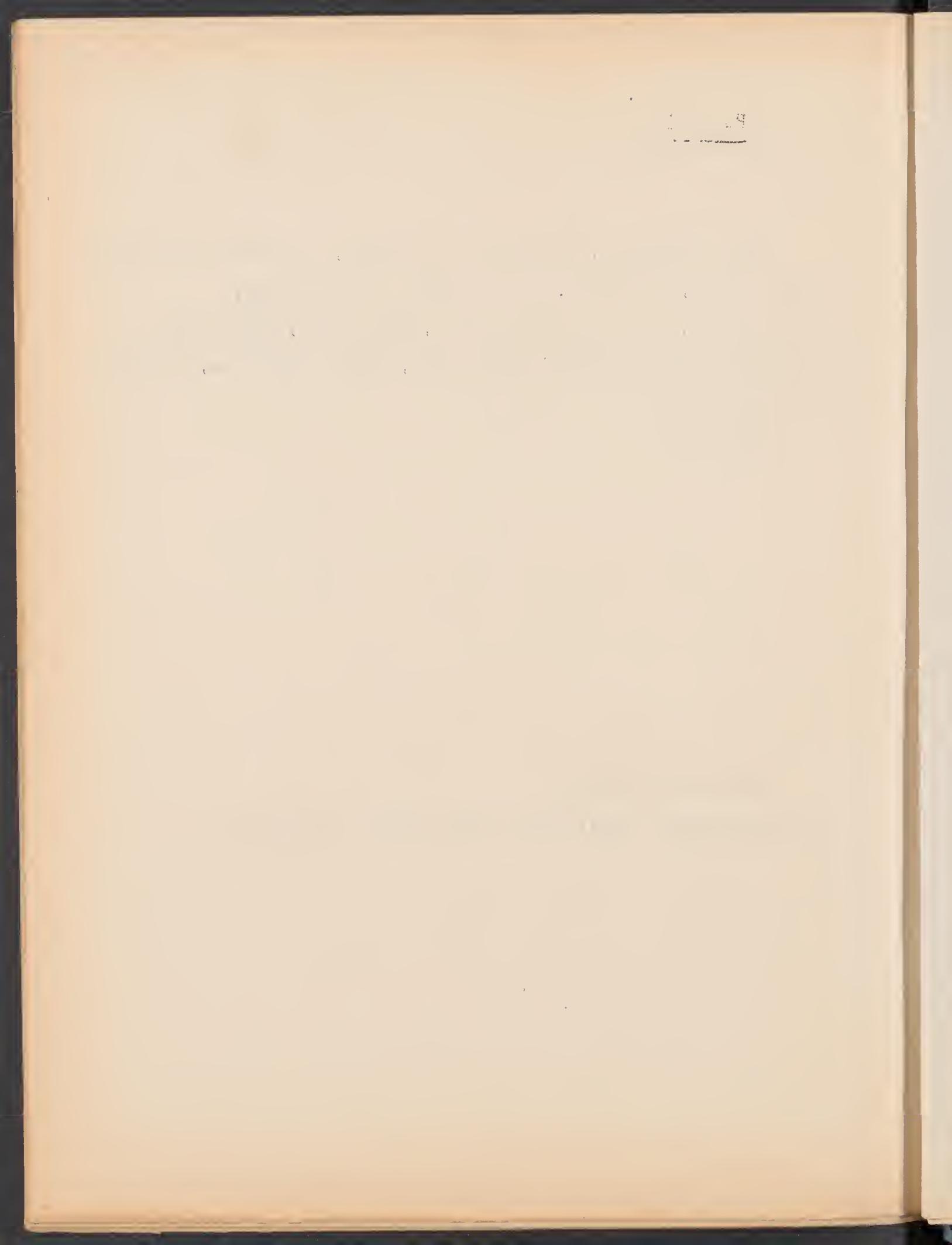
Hypholoma

Pilei sessile, hemispheric to convex, disc tawny shading to buffy yellow, 3 cm diam. smooth margin appendiculate; stipe gills adnate, close, purplish brown, flesh thin; buff yellow fibrillose almost squamose, 30 x 4 mm, light buff above, shading to tawny below.

Rotten log

Specimens examined

Costa Rica: San Jose?, Santa Rosa, Dodge & Thomas 5243

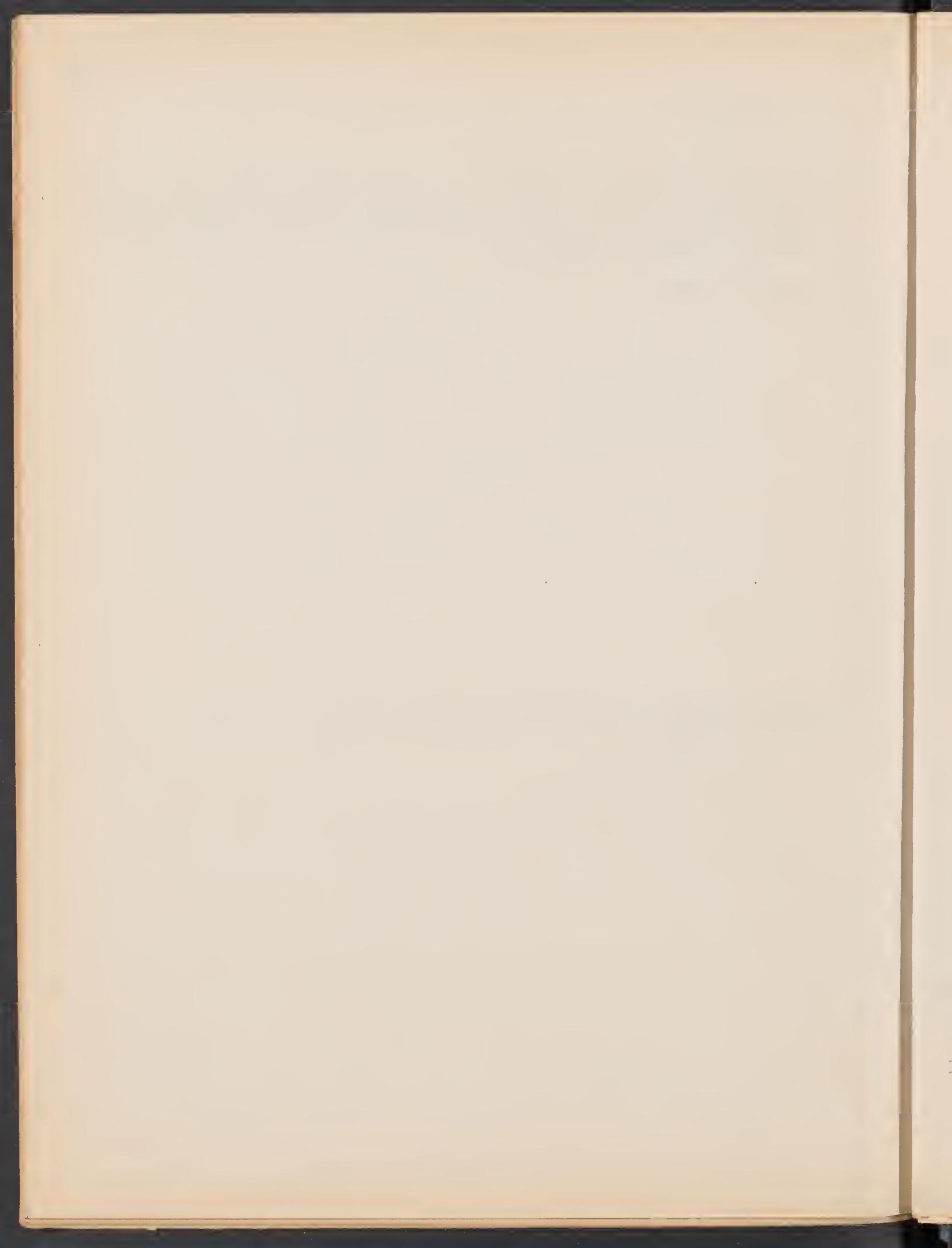


Lycoperdon

Pileus convex to expanded up to 3 cm. hygrophanous dull apricot yellow to maize yellow moist margins mattish yellow uncolored some bright appendiculate gills crowded close mattish yellow narrow w stipe 4 cm, by 4 mm. fibrilliferous furfuraceus ventrally yellow above shading to apricot yellow or darker

In soil potrero

Cost. Rica San José prov. Guayabillos 755 1 7-1 - 6
Dodge & Goerner



Hypholoma muscicoides?

Pileus expanded, finally flat or slightly depressed, 7cm. diameter, disc deep cinnamon (rather more yellow) covered by translucent, minute remains of universal veil (veil & disc concolorous), color gradually becoming lighter to shining white, smooth margin (shortly striate, shallowly sulcate); remnants of universal veil in patches as in *A. muscaria* but thinner, slightly darker than surface ^{of} pileus which is obscurely innate fibrous to near margin

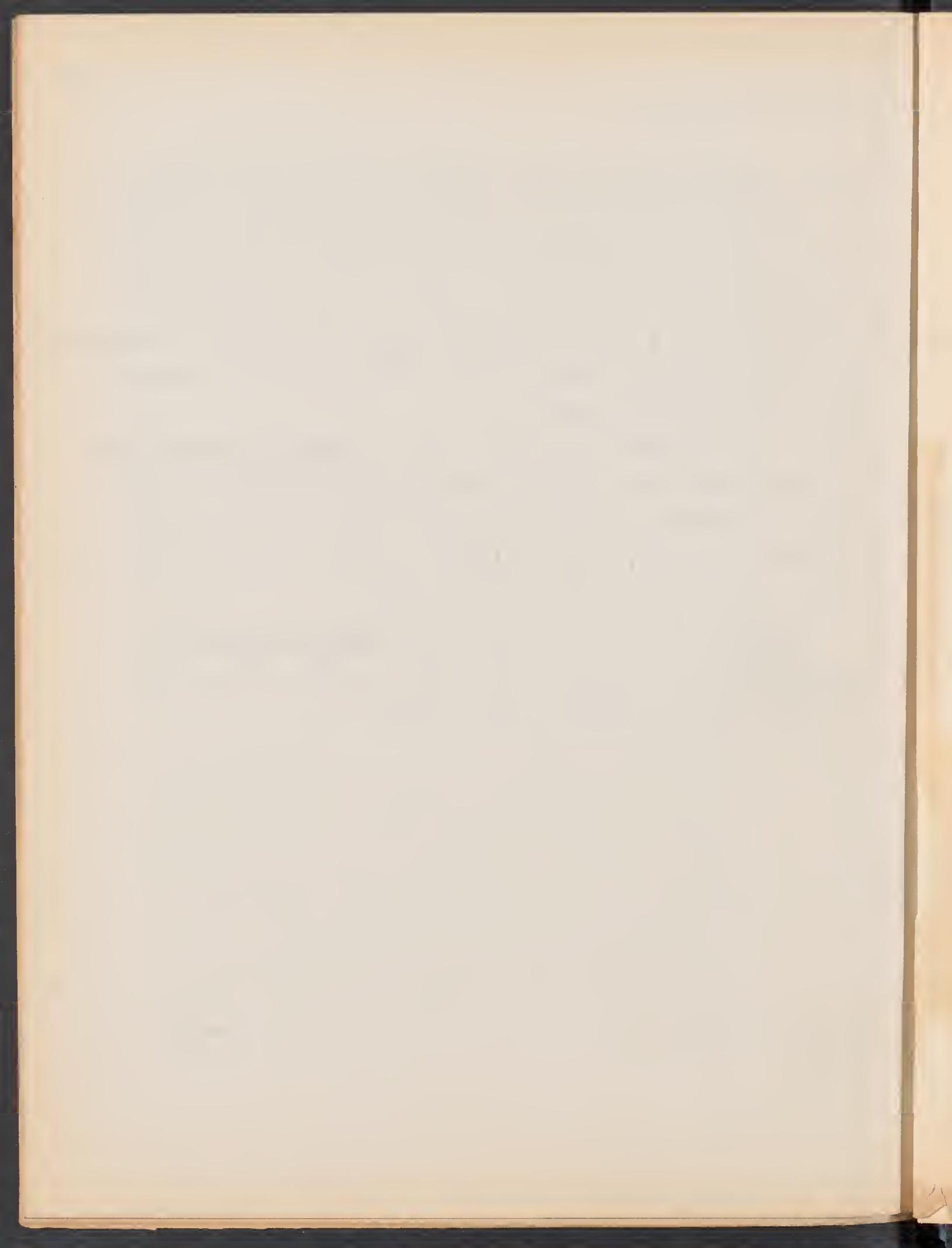
Gills sinuate, adnexed ventricose, color of *Hypholoma sublateritium*, crowded. Flesh 0.5cm. thick at disk, thinning gradually to margin. Stipe up to 13cm. x 0.8-0.9cm., subequal, silky white above, pale yellowish buff below. Annulus single ring about 3.5 cm. from top of stipe, white, soon colored purplish brown from spores.

General appearance of a slender, pale *Amanita Muscaria* var. *Lange* *americana* except for gills. Base somewhat bulbous, 1.8cm., volva adnate(if present), margin of volva cottony?

Canal Zone, Balboa

6-15-36

Borden



Hypodendron

densely cespitose at base of stump, 2500 m

Pileus hemispheric to convex, margins inrolled, fibrillose
scaly up to 13 cm wide, ochraceous orange blackening slightly where
bruised; flesh spongy fleshy thick apricot yellow to light cream
becoming dark brown slowly after wounding; gills adnate, decurrent
by a line to ring; narrow, 8-9 mm, close yellow, edges stained
ochraceous orange; stipe fleshy fibrous 18cm x 4 cm concolor with
flesh, annulus reduced to thick scales; whole outer surface of
stipe squarrose scaly, ochraceous orange to ochraceous tawny

Specimens examined

Costa Rica: Ran Jose, Rancho Reazonao m, Dodge & Thomas 5253

